1960

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<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
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1961

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 2591
cncatatcnn agccccagca gcancgccca aagcaacccc aataacaacg ccatggccgg 60
gtggaaacgc ctacatcgac aacctcangg cggacgggga cctgtnagaa cgcggcatcg 120
tggctacaag gactcgccnt ccgtctggcc gccntccccg gnaaacgtnc ntaaanttaa 180
cncaagctga agtggtgtcc tggttggcaa aaaccggcaa gttttacttt aatggctgac 240
actttggggg ccagaaatgt tcggttnatc ccggaattaa ttgttncaag aatgggggaa 300
attnaccntg gaattttttn tt                                          322

<210> 2592
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
```

1962

```
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 2592
naaaaagggg tcactatgga gttcaaagga cagaactcct gcctggtgac cgggacaacc 60
tggccattca gacccggggt ggcccagaaa agcatgaagt aactggctgg gtgctggtat 120
ctcctctaag taaggaagat gctggagaat atgagtgcca tgcatccaat tcccaaggac 180
aggcttcagc atcagcaaaa attacagtgg ttgatgcctt acatgaaata ccagtgaaaa 240
aaggtgaagg tgccgagcta taaacctcca gaatattatt agtctgcatg gttaaaagta 300
gtcatggata actacattac ctgttcttgc ctaataagtt tcttttaatc caatccacta 360
acactttagt tatattcact ggttttacac agagaaatac aaaataaaag atcacacatc 420
aagactatct acaaaaattt tattatatat tttacngnaa gaaaaagcct tgcnttatca 480
ttaaaccaat taaaaatacc tttttattn acancccc                         518

<210> 2593
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
```

1963

```
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<400> 2593
accaaactga gtgtgtgtgt gtgtgtttat tggggtgtgg catgaggcga gtgtgtaaga 60
cagagagcaa aagagctaca gaggccactc taagcagcag catcatgtga ccactaaaga 120
tttacacctg aaactaaata cagaatgttc tatctctaca gattccaaag gttttcctaa 180
aaatataacc aacaacaggg ggaaaaaaag atacccagat tccaaggacc tcacgatggt 240
gctgaaaacc tatgacacca gcttcctgga ctttctccag aaggtgtttg gtatggggaa 300
cctttctctt tcgcatggac cccgggacca ggccctccaa gcatggcttg ggattccntc 360
agtcttcggg aacctccaag ccacagccca ggccccagac cctggaggga antcccantt 420
cctttttncc cctcttggag acaagggaag ggacaaggtt tccagggtng tcattcactc 480
ggagcagnaa aggcagatgg agattnancc aaagggattn ccaggggaaa ccaaag    536

<210> 2594
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
```

1964

```
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c


<400> 2594
gggtgnatgg ggtatttcac cacgtggngc tggctacaca tttggacaag acatttctga 60
aacctttaac catgccaatg gtctcacact ggtttctcgt gcccaccagc ttgtaatgga 120
gggatacaat tggtgtcatg atcggaatgt ggttaccatt ttcagtgcac ccaattactg 180
ttatcgttgt gggaaccagg ctgctatcat ggaattagat gacactttaa aatattcctt 240
ccttcaattt gacccagcgc ctcgtcgtgg tgagcctcat gttacacggn gcaccccaga 300
ctacttccta taaatttctc ctgggaaacc tgcctttgna tgtggaagta tacctggntt 360
tttaaaatat atgtatttaa aaacanan                                    388


<210> 2595
<211> 418
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
```

1965

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<400> 2595
ggggactcct gacatagcca gctgctgtga aataatggaa gagcttacaa cctgccttaa 60
aaattaccga aaaaccttaa tacatagctg cttgtctcct actatacctg tctgacacaa 120
tatcaccaga gcaagccata gacagcctgc gagacctaag aggatccggg gcaatacaga 180
ccatcaagca atacaattat cttcatgagt ttcgggacaa attagctgca catctatcat 240
caagagattc acaatcaaga tctgtatcaa gataaaggaa ttcaaatagc atatatatga 300
ccatgtctga aatgncagtt ctctacataa tttggattga aatgaaacca ccagtggtat 360
caacttgaat gnaaatgtcc tgtgccnata ttcctaaggt ttattgccaa aaaaannn    418

<210> 2596
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c
```

1966

<400> 2596
gggcgccgag ccgcggtccg agcagaactg gggctccctt gcatcttcca gttacaaatt 60
cagtgccttc tgcagtttcc ccagagctcc tcaagaataa cggaagggag aatatgacag 120
atacctagca tctagcaaaa taatggcagc tgcttacctt gaccccaact tgaatcacac 180
accaaattcg agtactaaga ctcacctggg tactggtatg gaacgttctc ctggtgcaat 240
gggagcgagt attaaaggtc tttcattatt ttgaaagcaa tagtgagcca accacctggg 300
ccagtattat naggcatgga gatgctactg atgtcagggg catcattcag aagatagtgg 360
acagtcacaa antaaagcat tgtggnctgc tatggattcc cgcctcagtc ccttgcngtc 420
agatngaagg ttcactggnt tcac   444

<210> 2597
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2597
ggagaagctt ccaggaatac atggcccaaa tggagaagaa gttggaggag gaaagggaaa 60
accttctcag agagcatgaa aggctgctaa aacacaagct gaaggtacaa gaagaaatgc 120
ttaaggaaga atttcaaaag aaatctgagc agntaaataa agagattaat caactgaaag 180
aaaaaattga aagcactaaa aatgaacaag ttaaggctct taaagatcct tgacatggct 240
agcaacataa tgactgtcac tctacctggg gctttcaagc tacttggagt agggacaaaa 300

1967

```
tgatcttggc tnacgtattn aagagcctna atattccagt taagaaantt ataatatnag 360
gt                                                                 362
```

```
<210> 2598
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2598
cccacgcgtc cgcttgggct tctttgaagg ctctgtgctg ttccccgagc ccctgacatg 60
gatggataag ctggtggtgg agtacgccaa cgccatttgc caatgggagc gtaacaagtt 120
gcagtgctct gacacggagc aggtggaggc cgacctggag tgaggcctcc ggactctggc 180
acgctccaac agccctcctc tggaagctgc gtcccctcac cccctgtttc aggtctccca 240
tctccctcag tgacctggat ctgacctcac accatcagca gggggcaccc accatgcaca 300
cctgtctcgg antaagcaac tcttcctggg gnctccaggc tatttttgtt gcttaattac 360
tggttttctc cattgcattg ttaggcatgg tgacaantga cagaattctt gcctcttgtc 420
cagtttcaac atctggttgc ttttaaccaa ntacatctag                       460
```

```
<210> 2599
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
```

1968

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 2599
aattcggcag aggcagaaca aggagcatgt gattgaggcc ctgcgcaggc anagttcaag 60
tttcctggcc gccagaagat ccacatctca aagaagtggg gcttcaccaa gttcaatgct 120
gatgaatttg aagacatggt ggctgaaaag cggnctgcat cccagatggc tgtggggtca 180
agtacatccc cagtcgtggg ccctctggga caagtggcgg gccctgcact ncatggaggg 240
ctttccaatg tgcttgcccc cctcttgaat acttcaccaa taaaattcta atttcctgtt 300
ccaaaaaaaa aaaaaaaaaa aattccgggg gggggcccgt aacccatttg gccccttagg 360
nggttgtttt t                                                       371

<210> 2600
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c
```

1969

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<400> 2600
ggcagagtga attcantcag aactttatgt aagacctgat gacgtccatg taaacatccg 60
gctagtggag ttgtatcgct caactaaaag attgaaggat gctgtggccc actgccatga 120
ggcaagaagg aacatagctt tgcnttncaa gtttagagtg gaattcgtgt gttgtacaga 180
cccttaagtt ttgatagtgc tcttcagtct gcgaaatctt ctttgggtgg aaatgaatga 240
actgtgcagc taactttctt agaaatgaaa aggacatttc tatatgtnng cnggttctct 300
ggtncttgaa agntgggtcc agcatggtaa taatgttcca atggcgagct ctttctgagc 360
tgggnggctt tgngctatnt catagcattt cagtaagtnt tcccantgta ggggg   415

<210> 2601
<211> 251

1970

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 2601
caccgggggtt gactccgggg gcgcggcgag gagagacatg aggctgagct ggttccgggt 60
cctgacagta ctgtccatct gcctgagcgc cgtggccacg gccacggggg ccgagggcaa 120
aaggaagctg cagatcgggg tcaagaagcg ggtggaccac tgtcccatca aatcgcgcaa 180
aggggatgtc ctgcacatgc actacacggg gaagctggaa natgggacan agtttgacag 240
cagcctgccc c 251

<210> 2602
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

1972

```
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
```

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c


<400> 2602
gggcagggat cccgtccgag ccccggcccc aagtaacgnc ggcggcccgg agccgncttg 60
gaggtccccc tncccactaa gtgcctcttt gcatagnacc agtccccacc cgnacggtct 120
ctggaccact acagntgnac gggcaanggc gggtcgggga ggcgcanacg gncccnatgg 180
nccanctgnt gggnacaaga tctgtcaatt taagctggnt ctnctngggg agtcttcggt 240
aggcaaatcc agccttgtcc tccgcttttt caagggncaa ttttacgngt accacgagag 300
cacaatttga gcgggctttc tnananagac tttttttcctt ggtgcaaaaa cagtcaaagt 360
tttaganttg gncaaaaatt ggcaaagagc ggtttanagc ttgcccccat gtattttttgg 420
gggcccagtt tcatctngct ttttaatacc acacagtnna ttttaagggc cagaattggt 480
taagggctta anggaagcca cccacaatgt aattnaa                           517


<210> 2603
<211> 505
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (13)
```

1974

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c
```

1975

```
<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c
```

1976

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<400> 2603
aattcggcan agnagggaag cagcggctnn gcttcattnc atctgtggtg angtttaccc 60
ttctaaagaa aaactaggga tttagaggac gtttgggcac tgaacgcaan tttctgcata 120
ggaaacctag gngatccccc aaaagaggtc cctctggtag gccctcgaga tgctgctggc 180
ggcctggggg aaatcctcat tgacgattca atttgttgaa ggccaatttg tggactccta 240
cgatccaacc atagaaaaca cttttacaaa gttgatcaca gtcaaatgga cangattatc 300
atgttnaact tgtagacaca gccgggccaa gatgaatatt ctatcctttc cctcaggaca 360
tactccatag atattaatgg gttatantnc tnntgtantc ctgnnacacc attcaaaagg 420
tttgnagggg tttaagttat ccctgggcaa tngtgggtat ngtgggggaa ggacaataac 480
cnntttgttg gntgggggntn agnag   505

<210> 2604
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<400> 2604
cccgnagaca cgggcaanaa ctngggtcta cttgaagctg aactctgaga ccgacgcaga 60
cacngaatgn gtattactgt gcgagacaca ccaaccagca ncacccganc tacaggatga 120
aacggtggat cgacccctgg ggccanggaa cccnggtcac cgacnactca g           171

<210> 2605
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
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1978

```
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<400> 2605
ggcgcggntg gaggtgtgag gatccgaacc caggggtgga ggcggctcct gcgatcgaag 60
gggacttgag actcaccggc cgcacgccat gagggccctg tgggtgctgg gcctctgctg 120
cgtcctgctg accttcgggt cggtcagagc tgacgatgaa gttgatgtgg atggtacagt 180
agaagaggat ctgggtaaaa gtagagaagg atcaaggact tcctgctcac agcccgacga 240
aaggatgcca aatctgtcaa gatcaagaaa aataaggaca acgtgaagtt taaagttcga 300
tgcagcagat acctttacac cctggtcatn actgacaaag agaaggcana gaaactgaag 360
cagtccctgc cccccggtt tgcccagtga aggaactgaa atgaaccaga caacactgat 420
ttngaactgn cnttatatta aaatactaaa natcctaata tattcan            467

<210> 2606
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
```

1979

```
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<400> 2606
ggcaggatca aggtgaaaag gagaacccca tgcgggaact tcgcatccgc aaactctgtn 60
tcaacatctg tgttggggag agtgganaca gactgacgcg agcagccaag gtgtnggagc 120
```

1980

```
agctcacagg gcagacccnt gtgntttcca aagctagata cactgtcaga tcctttggca 180
tccggagaaa tgaaaagatt gctgtccact gcacagttct aggggccaag gcagaagaaa 240
tcttggagaa nggtctaaag gtgcgggagt atganttaan aanaaacaac ttctcagatn 300
ctggaaactt tgg                                                    313


<210> 2607
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
```

1981

<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 2607
gcgccatctt ccagtaattc gccaaaatga cgaacacaaa gggaaagagg agaggcaccc 60
gatatatgtt ctctaggcct tttanaaaac atggagttgt tcctttggcc acatatatgc 120
gaatctataa gaaaggtgat attgtacaca tcaagggaat gggtactgtt cnaaaaggaa 180
tgccccacaa gtgttaccat ggcataactg gangagtcta cnatgttacc cannatgctg 240
ttggcattgt tgtaaacaaa caagttaang gcaagattct tgccaagaga attaatgtnc 300
gtattgagca cattaancac tcta   324

<210> 2608
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

1982

```
<400> 2608
ncgccgaaag cgaagaagga agctcctgcc cctcctaaag ctgaagccaa agcgaaggct 60
ttaaaggcca agaaggcagt gttgaaaggt gtccacagcc acaaaaagaa gaagatccgc 120
acgtcaccca ccttccggcg gccgaagaca ctgcgactcc ggagacagcc caaatatcct 180
cggaagagcg ctcccaggag aaacaagctt gaccactatg ctatcatcaa gtttccgctg 240
accactgagt ctgccatgaa gaagatagaa gacaacaaca cacttgtgtt cattgtggat 300
gttaaagcca acaagcacca gattaaacag gctgtgaaga agctgtatga cattgatgtg 360
gccaaggtca acaccctgat tcggcctgat ggagagaaga aggcatatgt tcgactggct 420
cctgattacg atgctttgga tgttgccaac aaaattggga tcatctaaac tgagtccagc 480
tgcctaattc tgaatatata tatatatata tcttttcacc atanaaaaaa aaaaaaaaaa 540
agggccggcc gntctagagg atncaanctt acgtacncgt tgcatgccga cgtcttagct 600
cttntatagt ggtcacccta aaatt                                        625

<210> 2609
<211> 151
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 2609
ggcccgggtg gttgctgccg aaatgggcaa gttcatgaaa cctgggaang tggtgcttgt 60
```

1983

```
cctggctggg acgctactcc ggacgcaaan ctgtcatcgt gaagaanatn gatgatggca 120
cctcanatcg cccctacagc catgcnctgg t                                  151
```

<210> 2610
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<400> 2610
```
aatgattacg ccntttctaa tacgactcnc tatagggaaa gctggtacgc ctgcaggtac 60
cggtccggaa ttcccgggtc gacccacgcg tccggtcgcc gctgcggagg gagccgccgc 120
catgtctgcg catctgcaat ggatggtcgt gcggaactgc tccagtttcc tgatcaagag 180
gaataagcag acctacagca ctgagcccaa taacttgaag gcccgcaatt ccttccgcta 240
caacggactg attcaccgca agactgtggg ctggagccgg cagccgacgc aaagttctgg 300
tgggtcatta acggaatccg gcacggaacc tgccactcct atgtgcgaca catcaacaga 360
tgtccgcccc tcacactcaa cctatcccaa acatacccca ctgcctgnac acnaggcann 420
```

1984

ctctccncaa c   431

<210> 2611
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

1985

```
<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 2611
ggcacgagcg caaagaaggg tngcgagann aanaaaggcn gttctnccat caacgaatga 60
taacccgaga atacnccatc aacattcaca atcgcatcca tngagtgggc ttcaagaanc 120
gtgcacctcg ggcactcnaa ga                                          142

<210> 2612
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 2612
ananagacac naaccctcac taaagggaac aaaagctgga gctccaccgc ggtggcggcc 60
gctctagaac tagtggatcc cccgggctgc aggaattcgg cacgaggttg tctgcaggca 120
ctcagaatgg tccagcgttt gacataccga cgtaggcttt cctacaatac agcctctaac 180
aaaactaggc tgtcccgaac ccctggtaat agaattgttt acctttatac caagaaggtt 240
gggaaagcac caaaatctgc atgtggtgtg tgcccaggca gacttcgagg ggttcgtgct 300
gtaagaccta aagttcttat gagattgtcc aaaacaaaga aacatgtcag cagggcctat 360
ggtggttcca tgtgtgctaa atgtgttcgt gacaggatca agcgtgcttt ccttatcgag 420
gagcagaaaa tcgttgtgaa agtgttgaag gcacaagcac agagtcagaa agctaaataa 480
aaaaatgaaa cttttttgag taataaaaat gaaaagac                         518

<210> 2613
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<400> 2613
gctgcactgc caccctgggc nacttcgcca aggccacctt tgatgccatt tctaagacct 60
acagctacct gacccccgac ctctggaagg agactgtntt caccaagtct ccctatcagg 120
agttcactga ccacctcgtc nagacccaca ccagagtctc cgtgcagcgg actcaggctc 180
cagctgtggc tacaacatag ggttttttata cangaaaaat aaantgaatt aagcgtgtta 240
aaanaaaaaa aaaaaaacnc gaaaccaan 269

<210> 2614
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
```

1987

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2614
gggtcnntgc ctccaagatg acaaagaaaa gaaggaacaa tggtcgtgcc aaaaagggcc 60
gcggccacgt gcagcctatt cgctgcacta actgtgcccg atgcgtgccc aaggacaagg 120
ccattaagaa attcgtcatt cgaaacatag tggaggccgc agcagtcagg gacatttctg 180
aagcgagcgt cttcgatgcc tatgtgcttc ccaagctgta tgtnaagcta cattactgtg 240
tgagttgtgc aattcacagc aaagtagtca ggaatcgatc tcgtgaagcc cgcaaggacc 300
gaacacccccc accccgattt agacctgcgg gtgctgcccc acgtccccca ccaaagccca 360
tgtaangagc tgagttctta aagactgaag acangctatt ctctggagaa aaataaaatg 420
gaaattgtac ttaanaaaaa aaaaaaangg n                                 451

<210> 2615
<211> 293
<212> DNA
<213> Homo sapiens
```

1988

```
<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c
```

```
<400> 2615
ggtcaccatc agctgtnctg gaaccacccg cganaatacg gccatggtnc tcgntcttgt 60
cgtgtctgtt caaaccggca cggtctgatc cggaaatatg gcctcaatat gtgccgccag 120
tgtttccgtc agtacgcgaa ggatatcggt ttcattaagt tggactanat gctcttcctt 180
cataggatta tccggggcat ctactcaatg aaaaaccatg ataattcttt gtatataaaa 240
taaacatttg aaataanctt cnaattgtca aaaaaaaaaa atatgncctc tnn       293
```

```
<210> 2616
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c
```

```
<400> 2616
gcgcctcgga ggcgttcagc tgcttcaaga tgaagctgaa catctccttc ccagccactg 60
gctgccagaa actcattgaa gtggacgatg aacgcaaact tcgtactttc tatgagaagc 120
gtatggccac agaagttgct gctgacgctc tgggtgaaga atggaagggt tatgtggtcc 180
```

1990

```
gaatcagngg tgggaacgac aaacaaggnt tccccatgaa gcagggtgtc ttgacccatg 240
gccgtgtccg ctgctactga gtaaggggca tttcctgtta caagaccaat ggagaactgn 300
anaaagaatt gananaatca gttcgtggtt gcattgtn              338
```

```
<210> 2617
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 2617
aattcggcag aggtcataga acccagaagg aaattgagca ggaagctgca gttgaattat 60
cacagttgag ggacccacag catgatctag atcgagtaaa gaaacctgaa tgggttatcc 120
tgataggtgt ttgcactnca tcttgggctg tgtacccatt ggcaaatgca gggaggattt 180
tggtggttat tactgccctt gccatgggtc acacttatga tgcatctggg caggatccag 240
attgggtcct gctcctcttc aaccttgaag tnccccacgg tattgagttt caccagtgac 300
ggntattggt ggatttgttt ggttnaagag actttnggac ttcaagncca taagggnttt 360
tttttcagtc ctttanggtn caaccccgag ggggctttnn ttttgggggga gggaggcctt 420
nt                                                               422

<210> 2618
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
```

1992

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c
```

1993

```
<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c


<400> 2618
aattcggcag agnatcagaa gtgaatnatg ctggggataa cgatgagagt caccgcaatt 60
tcatccagga cgaatgctgc gtttgattca tgagtgtcct catcaggaag ggaagagcat 120
ccatgaagct ccgggctcag ctctgcgagc cttagcgtca aggccatcaa ggaagcgatt 180
gattatctga ccgttgaggg ccacatctat cccactgtgg atcgggagca ttttaagtct 240
gctgattgag gcagggaaaa catcctttca tttttcgaag acccttgcat ccagctgtgg 300
agtaattttg nacctgtttg actttttagg aagtaggatt aaaaaaaaaa ttttcaagtg 360
ggcattcttt tgtcaactcg ttgntttttt aaanggtttt gaactttttng gntttcngna 420
tttgaggtcc agggganncg gtnntgggta aatttgncaa nccttggggt tttnctggca 480
gttatnggaa aat                                                   493


<210> 2619
<211> 439
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c
```

1994

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<400> 2619
ggatataagc ttgaccacga gttgagaccc tgagcacagg cctccaggag ccgctgggag 60
ctgccgccag gagctgtcac catgacgggg gaacttgagg ttaagaacat ggacatgaag 120
ccggggtcaa ccctgaagat cacaggcagn atcgccgatg gcactgatgg ctttgtaatt 180
aatctgggcc aggggacaga caagctgaac ctgcatttca accctcgctt cagcgaatcc 240
accattgtct gcaactcatt ggacggcagc aactgggggc aagaacaacg ggaagatcac 300
ctgtgcttca gcccaaggtc agaggtcaag ttcacagtga ccttttgaga agtgacaaat 360
tcaaaggtga aacctgccaa aatgggcacg aactggnttt ttcccaacaa ggcttggggt 420
cacaanncna ccttaanct   439

<210> 2620
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2620
tgaatctagc accatgacgg aactagagac agttcatggg catgatcata gacgtctttt 60
cccgatattc gggcagcgag ggcagcacgc agaccctgac caagggggag ctcaaggtgc 120
tgatggagaa ggagctacca ggcttcctgc agagtggaaa agacaaggat gccgtggata 180
aattgctcaa ggacctggac gccaatggag atgcccaggt ggacttcagt gagttcatcg 240
tgttcgtggc tgcaatcacg tctgcctgtc acaagtactt tganaaggca ggactcaaat 300
gatgccctgg agatgtcaca gattcctggn   330

<210> 2621
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1995

```
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
```

1996

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c
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1997

```
<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 2621
ggcacgagtg gnaattttaa gggaatgaaa attaaacctg gctcaatggg naaaccttct 60
cctgctttcg atgttaagnt tgtagatgta aatggcaatg ttctacctcc tggacaagaa 120
ggtgatattg gcattcaagt tctacccaac cgaccatttg gcctttttac tcattacgtg 180
gataatcctt caaaaacagc ttcaactcta cgaggcaatt ctatatcact ggggacagag 240
gatatatgga taaagatggg tatttctngt ttntttgcaa gngcagatgt tggcanatat 300
nccctggttn tcgatttggc cccctttgggt ggnaaatccc ccattnncac ccctttanttt 360
agagtnccct ttttcaaang cccnaccccct tcaaggggggg nggtnaaagt tttnggnttt 420
aaaaccentt tcnangncca nttcagggcc cctttttaagg ggttccggggg cttttaaaaa 480
ctccgggcct tnaatttccc caggggggg                                    508

<210> 2622
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c
```

1998

```
<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c
```

1999

```
<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<400> 2622
ggttaaattt naggtagcag agggaaaaca agnggaaatc caacataagg gacaggctga  60
gaaaaaagaa ttacaacata aaatagatga aatggaagaa aaagaacagg agctncaggc 120
aaaaatagaa gctttgcaag ctgataatga tttcaccaat gaaaggctaa cagctttaca 180
agagaagctg accgtcgaan ggcatntaac caaagcggta gaagaaacaa agctttcaaa 240
agaaaatcan acaanancaa aagaatctga tttttcagat actctgagnc caancaagga 300
aaataanaaa nnaagggcgg tcgctctata ggatccaagg cttacgtact cgtgcatgcg 360
a                                                                 361

<210> 2623
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2000

```
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 2623
aatatttcca nagntggtcc gcctgcaggt accggtccgg aattcccggg tcgattncac 60
gcgtnttgga aatgaccccn cagcagggag acgtctacat ntgncaagtg gagcacacca 120
gcctggacag tcctgtnacc gtggagtgga aggcacagtc tgattctgcc cggagtaaga 180
cattgacggg agctgggggc ttcgtgctgg ggctcatcat ctgtggagtg ggcatnttca 240
tgcacaggag gaacaagaaa gttcaacgag gatctgcata aacagggttn ctgacctacc 300
gaaaagacta atgtgcctta gaacaagcat ttgntgggnt ttggtaacac ctggttcang 360
acagancctt agcttttccc aanaggatac tggttgcaaa aaagttt            407
```

2001

```
<210> 2624
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c
```

2002

```
<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 2624
naattcggca naggaaccgg ggctgctgct ttgactccag gatccctggt ngnccttggt 60
gtttcaagcc cctgcaggaa gcagaatgca ccttttgagg cacctncagc tgcccccggc 120
cgggnaagtg cgaaggctcg gagcaccctt gcccggctgt gaattgctgc caggnactgt 180
tgcatctnca gctttttctgt gccctttgct cccggcaagc ggttctgctt gaaagtttca 240
tnatcttggg aggcctgnat ggtnctttaa cggaattaaa ggttcccccc attgcttcca 300
aan                                                             303

<210> 2625
<211> 165
<212> DNA
<213> Homo sapiens

<400> 2625
ggcacagcca cccagggcct gagtcctgtc cacaccccag gtgacggccg gctccacaag 60
gcagtgagcg tgggcccccg ggtgcacatc attgaggagc tgcagatctt ctcatcggga 120
cagcccgtgg cagaatctgc tcctgggaca cccacagggg ggctg             165

<210> 2626
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
```

2003

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 2626
gtggatacca accggaaaac ccctatcccg cacagcccac tgtggtcccc actgtctacg 60
angtgcatcc ggctcagtac tacccgtccc ccgtgcccca gtacnccccg agggtcctga 120
cgcaagcttc caaccccgtc gtctgcacgc aagccaaatc cccatccggg acagtgtgca 180
cctcaaagac taagaaagca ctgtgcatca ccttgacctg gggacttcct cctgggaact 240
gcgctggccg ctggcctact ctggaaattc atgggcagca aatgctccaa ctctgggata 300
gaatgcgaat cctcaagttc tgcatcaacc ctcntactgg tgttatagcg tntcaactgc 360
cccnggggga agaaaaaaat cngtgttcct nttttcaaac ttctcc            406
```

```
<210> 2627
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c
```

2004

```
<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c


<400> 2627
gacctcagcn ttcgctacnc gggaccccca cagaagagac gtggcccggc gtgacccgca 60
tctctgagnn ccgcacctac agcttcccct gctacctncc gcagcccgct catcaaccac 120
gccgcccagg cnggatacgg atggcatcca cctcctgagc agccngcncc tgnatgaatc 180
caagagtcgc atgcagcaga agctgccctg agtcactncn acntccggnc tcngggaaga 240
gccgtgngca ccaaccttga aaacactggc gacaacgtct ccctgaaggg gaaaccactc 300
cagaagggac ccangctacc caggggntgg ncna                           334


<210> 2628
<211> 568
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c
```

2006

```
<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c
```

2007

```
<400> 2628
gcacgggaat gtgcccctgc actatgcctg tttttggggc caagatcaag tggcagagga 60
cctggtggca aatggggccc ttgtcagcat ctgtaacaag tatggagaga tgcctgtgga 120
caaagccaag gcacccctga gagagcttct ccgagagcgg gcagagaaga tgggccagaa 180
tctcaaccgt attccataca aggacacatt ctggaagggg accacccgca ctcggccccg 240
tgagtcacca ctgtgggaag aagggttgta aaaggaaata atcctggcct cttggggctg 300
ggttagggtg aagctgggta cctgacctgc cacactctta ngaaatggaa ccctgaacaa 360
acactctggc attgacttca aacaagctta acttnctgac gaagctnaac gaagaatact 420
cttggaaang tgacccctgc cttnttgccc tcctnantaa cccccataaa tacttgcttt 480
gtacctgttt taagttttct tcaattantg ggcaaggaag tggnanaaca tttaagcttc 540
taccctactg tctgnanttt ggaaggcc                                     568
```

```
<210> 2629
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c
```

2008

```
<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c


<400> 2629
tgcagcnaga caatcggaga gaaantgnng caaaaagagc cantgggana tgatnagtct 60
gtnccagaga atgtgctgag tntcgatgac cttactgcag acgcnttagc taacctganc 120
aanccacaaa tcaaaaaagt ccgactcctc attgatgaag ccatcctgaa gtgtgacgcg 180
gagggantaa agttggaagc agagcggttt gagaacctcc gagagattgg gaaccttctg 240
cacccttctg tacccatcag taacgatgag gtaggtggct gtgccgcagc aggaggctgc 300
cttaggtcgc tgctgtctct gcaggggcgg ggang                             335


<210> 2630
<211> 117
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
```

2009

```
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2630
gtgcgtggca ggtgangatg aacagtctac acagatggct gcaaggnggg aagatgataa 60
agttacagaa gcatcttcna acaggnntgc tgctattaaa atcnatacca aaagtga     117

<210> 2631
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c
```

2010

```
<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<400> 2631
gcctgcaggt nccggtccgg aattcccggg tcgacccacg cgtccgaaga agtcctgcaa 60
agacaatcgc accacagaat gctccaagag atgagtctag gggccgttcc tcgtttttatc 120
ctgatggtgg agatcaggaa actgcaaaga ctgggaagtt cttaaaaagg ttcacagatg 180
aagagtctag agtattcctg cttgataggg gtaataccag ggataaagag gcttcaaaag 240
agaaaggatc agagaaaggg agggcagagg gagaatggga agatcaggaa gctctagatt 300
acttcagtga taaagagtct ggaaaacaaa agtttaatga ttcagaaggg gatgacacag 360
aggagacaga ggattataga cagttcagga agtcaagtcc tcgcagatca gggtaaaagt 420
tttgctactg catctcaccc ggaatncctg aaggaggaan ggactcaagt accnngttcc 480
anaggttt                                                        488

<210> 2632
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c
```

2011

```
<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<400> 2632
gaccggtatc aggtgtgcca aggcgaantn aaagaattgc aggcaaaaga gtttgcanaa 60
tggaatcagg anaagcaggc tgcttttctc ctaaaatcan cca                  103

<210> 2633
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
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2012

```
<221> misc feature
<222> (615)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c


<400> 2633
nttactanat nttcctgcag gtatttgggc caagaatncc cgggtcgacc cacgcgtccg 60
atggcggagt acgacttgac tactcntatc gcgcactttt tggatcggca tctagtcttt 120
ccgcttcttg aatttctctc tgtaaaggag atatataatg aaaaggaatt attacaaggt 180
aaattggacc ttcttagtga taccaacatg gtagactttg ctatggatgt atacaaaaac 240
ctttattctg atgatattcc tcatgctttg agagagaaaa gaaccacagt ggttgcacaa 300
ctgaaacaag cttcaggcag naaccagaac caattgtgaa gatgtttgaa gatccagaaa 360
ctacaaggca aatgcagtca accagggatg gtaggatgct ctttgactac ctggcggaca 420
agcatggttt taggcaggaa tatttagata cactctacag atatgcaaaa ttccagtacg 480
aatgtgggaa ttactcagga gcaagcagaa tatctttatt tttttagagt gctggttcca 540
gcaacagata gaaatgcttt aagtcactct ggggaagctg gcctctgaaa tcttaatgca 600
gaattgggga tgnancatgg aagaccttac acggttaaaa gagancatag ntaataattc 660
tgngggtctc catttagctc ttagca                                     686


<210> 2634
<211> 354
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (334)
```

2013

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<400> 2634
gcaactatga gaccattgaa cagaagaagg cctatgagat tgcagggctc ctgggtgaca 60
tcggggggcca gatggggctg ttcatcgggg ccagcatcct cacggtgctg gagctctttg 120
actacgccta cgaggtcatt aagcacaagc tgtgccgacg aggaaaatgc cagaaggagg 180
ccaaaaggag cagtgcggac aagggcgtgg ccctcacctg gacgacgtca aaagacacaa 240
cccgttgcga gaaccttcgg ggccaccctg ccgggatgac atacgcttgg caacattcta 300
ccttanccat tcgggccgaa ggacttcnaa gacntttact tgnttgancc cccg      354

<210> 2635
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
```

2014

```
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2015

```
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
```

2016

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<400> 2635
gtaaaattta tttattacag gaatcagaat gtnttgtgtc actattatct gctancatta 60
anaatagaga tcangttgaa ttttgtatga atntcctatt tatnaacact tttattaata 120
ctacaatggt gctgctgtga ttgancacga gcgagttcag aagacctttc ctcacccaat 180
tgataaatgg gccatngctg atgcacaatc tgctatagaa aaacaaaaac gaagaaatcc 240
tcttttactg cctgtggacn aaatccatcc ttcgtnnaan gaattattag ggtacaaaat 300
gagactacca tgtatcccta tatnttgtgg ntgtactaca ntatatctca gcctgatatt 360
ttaaaatngg ctggtcntct tgtttttaat atccggcatt ntgaaatatc tcanacanga 420
ctttaaattg tctattttgt tgcggatcan gttaatgtta caaggtattt naattttact 480
tgaatagcac natctaattt ctgcctcaat ctttatgttt taattattaa atanattatc 540
tnttatgatt tgctncttac tggaaacaaa aaaaaaatcc tggctttact tcattaacca 600
tgaatatttc ccngttttttn                                          620

<210> 2636
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
```

2017

```
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 2636
gcncgagcgg gtactacccn ggcgggtatn gaggggctcc cggatggcct gcntttcccc 60
gacatcctct ggatcctctg tttggttnct ttgctgctgt ngctggacag gatgggccta 120
ttgatgctga tgaatttctn anatgtcnga cct                               153

<210> 2637
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2018

```
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<400> 2637
ggcggggctg cctaggnctg ggttgtcctt tgcatctgca cgtgttcgca gncgtttccg 60
cgatgctgcc tctgctgcgc tgcgtgcccc gtgtgctggg ctcctccgtc gccggcctcc 120
gcgctgccgc gcccgcctcg cctttccggc agctcctgca gccggcaccc cggctgtgca 180
cccggccctt cgggctgctc agcgtgcgcg caggttccga gcggnggccg ggcctccngc 240
ggnctcgcgg accctgcgcc ngtggctgtg gctgcggctc gctgnacacc ganggagaca 300
aagcttttgt tgattacctg agtgatgaaa ttaangagga aagaaaaatt nagaagcata 360
aaacccttcc naagatg                                                  377

<210> 2638
<211> 479
<212> DNA
<213> Homo sapiens
```

2019

```
<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c


<400> 2638
ggaaaaatta atanctccta gaacaaaagc tataattcca gttgatattg gaggatttcc 60
agctgattat tcagaaattt tagatttagt ggaaaggaaa aaagatatat ttaatcctaa 120
aaaaggaact tatcaagaaa aacttgggag aatattagtt ttggctgatt ctgctcactc 180
atttggtagt agctacaaag gaaagaaaat aggaagtgta gcagatgtaa cttcattttc 240
atttcatgca ataaaaaatt taacaacagc agaaggtgga gctttaacat ggaatcttcc 300
taataatttt gataatgagc aaatttataa agagttgatg ttgntagctt tacatggcaa 360
aataaggatg cactagcaaa gctaaaagca ggtgcttgga aatatgatat tgncatgcca 420
ggatacaaat gnnatatgac ngatattatg gcggctattg ggttaatcca cttnaagat  479


<210> 2639
<211> 410
<212> DNA
<213> Homo sapiens
```

2020

```
<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c


<400> 2639
gcatggatga gatggcagtt gaattcctgc atgaactgaa tgttccattt ttcaaagttg 60
gatctggaga cactaataat tttccttatc tggaaaagac agccaaaaaa gtgtaccagc 120
gcatacccgc tccagcctga ggacgtcaac ctgcgggtca tctcggaata tcagaagctc 180
tttcctgaca ttcccatagg gtattctggg catgaaacag gcatagcgat atctgtggcc 240
gcagtggctc tgggggccaa ggtgttggaa cgtcacataa ctttggncaa gacctggaan 300
gggagtgacc actcggactc gctggagcct ggagaactgg gcgaagctgg tgcggtcagt 360
gcgtcttgtn ggancgtgcc ctgggctccc caagcaaagc anctnacngc          410


<210> 2640
<211> 164
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
```

```
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<400> 2640
ggcagcctgc agtctgaaga ttttgcagtt tattactgtc agcagtatag tctctggtac 60
acttttggcc aggggaccaa cctggagatc aaacgaactg tggctgcacc atctgtcttc 120
atcttcccgc catctgataa aacaattnaa atnntgaant tnct                 164

<210> 2641
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
```

2022

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<400> 2641
ggtcgcggcg gggaccatgt tgcttccgaa catcctgctc accggtacac cagggggttgg 60
aaaaaccaca ctaggcaaag aacttgcgtc aaaatcagga ctgaaataca ttaatgtggg 120
tgatttagct cgagaagtct gatcatcgga tatcatggag tctggcaaga cggcttctcc 180
caagagcatg ccgaaagatg cacagatnat ggcacaaatc ctgaaggata tggggattac 240
agaatatgag ccaagagtta taaatcagat nttggagttt gccttccgat atgtgaccac 300
aattctngat gatgcaaaaa tttattcnag ccatgctaaa aaaacttctg ttgatgcana 360
ttatgtgcga tggcatccan tgccgcctga tcatctttta ctctccnccc caaaaatttt 420
tttanatttg caggcaaaat caanccttgc                                  450

<210> 2642
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c
```

2023

```
<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c
```

2024

```
<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
```

2025

<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 2642
ggtgatgtct cacagaaagt tctccgctcc cagacatggg tccctcggct tcctgcctcg 60
gaagcgcagc agcaggcatc gtgggaaggt gaagagcttc cctaaggatg acccatccaa 120
gccggtccac ctcacagcct tcctgggata caaggctggc atgactcaca tcntgcggga 180
attcnacang gccggatcca aggtgaacaa aagagttgtt tgaagcnttt tacatttttn 240
aaaaacccng ngntttttgg cttttgncct tnaaaacccc naggcccgaa ccttcaaaat 300
ttttntttaa cccttnnaa tcanaaggnt tttttnaaa tggttntttn aaaaaagctt 360
cccntttcca aatggggaga agangggnaa cccggaagaa tcccccaaa atttcttttc 420
cttttttccc ccaaaccctt cnttccaaaa aacctttnaa catttaaagc tttcnaaana 480
aggcccaaan aanattctta cattttnggg aaaaaaatcc gttaagggag gaagttcctt 540
ttgccaaaac 550

<210> 2643
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

2026

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<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 2643
cttctttaca gcggccnact ntgaactgnc nacttcggac tatagtgaaa gctggtacnc 60
ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg tccgtggaca gctgatgaag 120
gggtcttcga caattttgtt ctcaaaatca gagataccaa aaagcagtct gagccactgg 180
aaataaccct acttgccccc gaacgtacca gggacataac aggtctcaga gaggctactg 240
aatacgaaat tgaactctat ggaataagca aaggaaggcg atcccagaca gtctgttctc 300
```

2027

```
tcctgtttat ttacagtatc tgttgttgnt atagnactna ctgnttttnt atttt       355
```

<210> 2644
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

2028

```
<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c
```

2029

```
<400> 2644
atagntntct ggactcntta tagggananagc tggtacgcct gcaggtaccg gtccggaatt 60
cccgggtcga nccacgcgtc cgcggacgcg tgggcccagc ctgggccggc accctggggc 120
tcaccaaggc aacctggcct tcggtcttca tagcaatgna atagccagcc ctggaagccc 180
cagcctgggn cgtcacctng gagggactgg atctgnggtt cccggcagnc cctgcttgga 240
ccggcatgtg gcctatggag gctatnctac ccnggaggat cggagaccca cactgtcnng 300
gaagagcant gcctatggct accaggctcc ttcnacgcca tccttgcctg tctnccctgc 360
ctactaccct ggactgagna gccctgacac ctacnag                           397
```

```
<210> 2645
<211> 250
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c
```

```
<400> 2645
ggtggaggcc acatgcgcct gcctgcttgc tcagggagaa gaggccgaga aagaacactg 60
ctccaagtgc ctggcagagc agatgatcct ggaggaattt ggaaggtgct tatcacagat 120
tctccacact gagtttaaat ctaagggatt gaaaatggag tagagtataa agtgtgaatg 180
catgttgatt ttgtcttant ctanaaatct ctantttaga aaggatgttt angggaacat 240
gangctggct                                                         250
```

```
<210> 2646
<211> 361
<212> DNA
<213> Homo sapiens
```

2030

```
<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<400> 2646
atcgtgactg ttggtggaga agagagagtt tcacggaaac ccacagcagc gatgcgatgc 60
atgtgccctc tctatgaccc taacaggcag ctttggntcg aactggcccc tttaagcatg 120
ccgagaatta accatggagt tctctcagca gaaggatttt tgtttgtatt cgggggccaa 180
gatgaaaata agcagactct tagctcagga gaaaagtatg atccagatgc aaatacatgg 240
acagcattgc cacctatgaa cgaggcaaga cataacttcg gaattgtgga gatagatggg 300
atgctgtaca ttttgggagg agaggatggt gaaaaggagc tgatttccat ggagtgttac 360
g                                                                 361

<210> 2647
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2031

```
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<400> 2647
gcaagcnncg ccnccannca tcactaaaag ggancaaaag cnttgagctc caccgnggtg 60
cggcccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agggatatcg 120
acgtcgtgat ccagaagtcc agagctgagg actgcctgtt tgcagccaag ttctatagaa 180
attttagagt attcatcaga tagtgaaaaa gaagatgatt tggaaaatgt cctactcatt 240
nattcagaac cccctcacaa                                             260

<210> 2648
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 2648
```

2032

```
gcccacgcgt ccggtcccgg gcgctagccc acctccgacc cgcctcttgg ctcctctcct 60
ctaggccgtc gctttcgggt tctctcatcg cttcgtcgtt cgccaatgtt tgaggagaag 120
gccagcagtc cttcagggaa gatgggaggc gaggagaagc cgattggtgc tggtgaagag 180
aagcaaaagg aaggaggcaa aaagaagaac aaagaaggat ctggagatgg aggtcgagct 240
gagttgaatc cttggcctga atatatttac acacgtcttg agatgtataa tatactaaaa 300
gcagaacatg attccattct ggcagaaaaa aaaaaaaaaa gggcggncgc tctagaggat 360
ccaaagctta cgtacgcgtn catgcgangt cataagtttt tctattagng ncacctaaaa 420
t                                                               421
```

<210> 2649
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (678)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2033

```
<222> (681)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (706)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (740)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (750)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (783)
<223> n equals a,t,g, or c

<400> 2649
attaanggaa atcncggtac gcctttaggt accggtccng aattcccggg tcgacccacg 60
cgtccggatt ccctcccgaa cagttaaccg gaagagtaca gacagcccgg tagagtgtat 120
gggccaggag aaaggggaat tcagagaaat attctacatc attggagctg tggtatttgt 180
ggtcatcatc cttgtcatca tcctggctat atctctacac aagtgtagaa aggcaggagt 240
ggggcagagc tggaaggaga actccccact gaatgtttca taaaggaagc actgttggag 300
ctactgcaaa tgctatattg cactgtgacc gagaactttt aagaggatag aatacatgga 360
aacgcaaatg agtatttcgg agcatgaaga ccctggagtt caaaaaactc ttgatatgac 420
ctgttattac cattagcatt ctggttttga catcagcatt agtcactttg aaatgtaaca 480
aatggtacta caaccaattc caaggtttaa ttttttaacac catggcacct tttgcacata 540
acatgcttta agattatata ttccgnactc aagggagtaa ccaggtngtc caagcaaaaa 600
ccaatgggaa aatggcttaa aaaatctggg tgggactttt gaaaagcttt ttttttttt 660
tttttgana cgggagcntg nttttgttgg ccaagctgga aggcantaag caccgatctt 720
gggttaattg gaccttcggn ttttgggttn aagcaaatgg ctggcctaaa ccttccgagt 780
agntggga                                                      788

<210> 2650
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2034

<222> (150)
<223> n equals a,t,g,. or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 2650
ggtganaagc gaatatccct ctataaaact ggtggtggag tggcaacttc aggatgacaa 60
aaaccaaagt ctcttctgct gggaaatccc agtacagatc gtttctcatc tctaagtgcc 120
tcattgagtt cggtgcatct ggccaatgan tctgctgaga ctcttgacag cacctccagc 180
tctgctgctt caacaacagt gacttgctct ccaatggtat ccagtgattc gttgaanagg 240
aggtgctctg tagcagaaac tgagctncgg gtggctgntt ctcaatggnt gctcatgtct 300
cttttctgct tangtggttc attaaatgca ccacttggta gcaatgttaa tnttttttta 360
acacnttact tggggnct 378

2035

```
<210> 2651
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 2651
gcctcaagca gcggcggtcc cttagtgaca gtgtctacac ccctccacca agtgtccccc 60
acgggcctgg agcccagcca cagcctgctg agtacagaag ccaagctggt ctcagcagct 120
gggggccccc tcccctgtc agcaccctga cagcactgca cagnttggag canacatccc 180
caggcctcaa ccagcagccc cagaacctna tcatggcctn acttnctggg gtcatgacca 240
t                                                                241

<210> 2652
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 2652
gacctgtcaa aacatatcaa gacccaccag aataagaagg gaggcccagg tgtagctctg 60
agtgtgggca ctttgcccct ggacagtggg gcaggttcag aaggcagtgg cactgccact 120
```

2036

```
ccttcagccc ttattaccac caatatggta gccatggagg ccatctgtcc agagggcatt 180
gcccgtcttg ccaacagtgg catcaacgtc atgcaggtgg cagatctgca gtccattaat 240
atcagtggca atggcttctg agatcaggca cccggggcca gagacatatg ggccataccc 300
cttaaccccg ggatgcaagg tagcatgggt ccaagagaca tggaagagag agcccntgag 360
attaaaatgc atggtgt                                               377
```

```
<210> 2653
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
```

2038

```
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<400> 2653
aattcggcan agcagggtca ctgtcaagct tgaggaggca ggtacaaaac atattatatt 60
aatcacagaa aatgagatcc tggcacacag ggtcagattg aggggtggtc acctgtagtt 120
ctgcacgatg ttccgagaaa gcttccagct gtnnccccgg acagcagcag atttngagga 180
tcagtaacag tgaaaaagtg ccgggctctg ccaggnaaag tactttggtc ccagcgaggt 240
tcctgggatg ttgatgtcta aaggcaattt cacccatttt ntgcaggaca gagattaagg 300
gttcagagcg ggagtccaag ggttccaagg ggttccagtt aggggaannt tttggtggcc 360
cctgccctgg gccctgagg tttttcntca ttcctttnaa gagntcaagg tgnttagatn 420
taggggaaag aaagagngtt cagattntta ctgggtctat nttgggaagg aaggccntag 480
gggattccnt tttnna                                                  496
```

```
<210> 2654
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
```

2039

```
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2654
aattcggcan agcctaaata caacagggac actctggaca atgacatcat gctgatcaaa 60
ctctcctcac ctgccgtcat caatgcccgc gtgtccacca tctctctgcc caccgcccct 120
ccagctgctg gncactgagt gctgcatact ccggctgggg caacactctg agctttggtg 180
ctgactaccc agacgagctg aagtgcctgg atgctccggt gctgacccag gctgagtgta 240
aagcctccta ccctgggaaa gattaccaac agcatgttct gtgtgggget tccttgaggg 300
gaggcaagga ttccttgcca gcgtgacttt ggtggccctg tggtctgcaa ggacagttcc 360
aaggggttgt ctnctggggc cagggtgtgc tgggaagaac aggctggagt ttncaccagg 420
tttacaattt gtggattggn ttagggcaac ntggttgcaa cattaagccc ggtnccttng 480
atttttacca taanggct                                              498

<210> 2655
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
```

2040

```
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 2655
gaacgcttct gtgagacttg ataatagctc ctctggtgca agtgtggtag ctattgacaa 60
caaaatcgag caagctatgg atctagtgaa aagccatttg atgtatgcgg tcagagaaga 120
agtggaggtc ctcaaagagc aaatcaaaga actaatagag aaaaattccc agctggagca 180
ggagaacaat ctgntgaaga cactggccag tnctgagcag cttgcccagt ttcangccca 240
gctgcagact ggctcccccc ctgccaccac ccagtcacag ggcaccacac agnccccgc 300
cagccagtat nntagggctc angaccaacc gcatan                           336

<210> 2656
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c
```

2041

```
<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 2656
ggagaataca gactatgtga acgcatcctt tattgatggc taccggcaga aggactccta 60
tatcgccagc cagggccctc ttctccacac aattgaggac ttctggcgaa tgatctggga 120
gtggaaatcc tgctctatcg tgatgctaac agaactggag gagagaggcc aggagaagtg 180
tgcccagtac tggccatctg atggactggt gtcctatgga gatattacag tggaactgaa 240
gaaggaggag gaatgtgaga gctacaccgt ccgagacctc ctggtcacca acaccaggga 300
gaataagagc cggcagatcc ggcagttcca cttccatggc tggcctgaag tgggcatccc 360
cagtgacgga aagggcatga tcagcatcat cgccgccgtg cagaagcagc agcagcagtc 420
agggaaccac cccatcaccc gtgcactgca gcgcccgggg caggaaggac ngggaccttc 480
tgtgccctga gcaccgtctg ganccntgtg aaancanagg ggattttgga tgtcttccag 540
actgtcagag cctgcggctt tcagagggca cacatggtcc agacactgga acantttnag 600
ttntggttcc nnggtggtgc ag                                           622

<210> 2657
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
```

2042

<222> (463)
<223> n equals a,t,g, or c

<400> 2657
gctcgccggg gctgcggccg cccgaggctg ccctgaggat ctgtgtttgg tgaaaaggag 60
ccaaattcac ctgcagggca ggcggctcta gcagcttcag aagcctggtg ccctggcgac 120
actggacctg ccttggcttc tttgatccca accccacccc cgatttctgc tctgctgact 180
ggggaagtca tcgtgccacc cagaacctga gtgcgggcct ctcagagctc cttcatcggg 240
actttgaaca tgtcggggat cgccctcagc agactcgccc aggagaggaa agcatggagg 300
aaagaccacc catttggttt cgtggctgtc ccaacaaaaa atcccgatgg cacgatgaac 360
ctcatgaact gggagtgcgc cattccggga aagaaaggga ctccgtggga aggaggcttg 420
tttaaactac ggatgctttt caaagatgat tatccatctt cgncaccaaa atgtaaattc 480
gaaccaccat tatttca 497

<210> 2658
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 2658
tgacaccaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg cagnccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agggcagatc acctttcctt 120
tgtctccagc tcttaacatt gaagtggaac aaaatgggaa accgtccctg gttgatttga 180
atgaagaaat gcagcacatg gatgtagagg aatcacagtg tcttagatta tgtccatttt 240
tggaggatca taaagaagac attctatgtg ggccagtatg gcttgctagt ggccttgatc 300
tatcagggca tgctggaatg ttgacgttaa caagccccaa acttgttaaa ggtatggcag 360
gaggaaaata tcgttcgttt ttaatccatg tcaaggcagt gaatgaaaga ggaacagaag 420
agatttgtaa tggtggtatg cgtcctgtag taaggcttcc atccctaaaa caccagagta 480
acaagggtta ttcacttgct tcacttttgg ctaaagttgc agcaggcaag gaaaaatcat 540
ctaatgttaa gaatgaaaat acaagtggca cccgtaaatc tgaa 584

<210> 2659
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

2043

```
<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2659
gctgatattt gccggcaaac agctggagga tggccgcact ctctcagact acaacatcca 60
gaaagagtcc accctgcacc tggtgttgcg cctgcgaggt ggcattattg agccttctct 120
ccgccagctt gcccagaaat acaactgcga caagatgatc tgccgcaagt gctatgctcg 180
ccttcaccct cgtgctgtca actgccgcaa gaagaagtgt ggtcacacca acaacctgcg 240
tcccaagaag aaggtcaaat aaggttgttc tttccttgaa gggcagcctc ctgcccaggc 300
cccgtggccc tggagcctca ataaagtgtc cctttcattg actggaaaaa aaannnnn   358

<210> 2660
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
```

2044

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<400> 2660
gcatttatng acaagagaaa gcacaaagca tggagaccct ccctccaggg aaagtacggt 60
ggccagactt taaccaggaa gcttatgttg gagggacgat ggtccgctcc gggcaggacc 120
cttacgcccg caacaagttc aaccaggtgg agagtgataa gcttcgaatg gacagagcca 180
tccctgacac ccggcatgac cagtgtcagc ggaagcagtg gcgggtggat ctgccggcca 240
ccagcgtggt gatcacgttt cacaatgaag ccaggtcggc cctactcagg accgtggtca 300
gcgtgcttaa gaaaagcccg ccccatctca taaagaaat catcttggtg gatgactaca 360
gcaatgatcc tgaggacggg gctctcttgg ggaaaattga gaaagtgcga gttcttagaa 420
atgatcgacg agaaggcctc atgcgctcac gggttcgggg ggccgatgct gcccaagcca 480
aggtcctgac cttcctggac agtcactgcg agtgtaatga gcactggctg gagcccctcc 540
tggaaagggt ggcggaggac aggactcggg ttgggtcacc catcattnga tgtcattaat 600
attggaccaa ctttcantnn tgtgggggca tctggctnga cttt                  644
```

```
<210> 2661
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 2661
```

2045

```
ttgtttattt gccatcctgt ttggaagcag cacaatatca ctttcagacg aagcctctag 60
gagatgttct gtactttttnt ccactctcag ttctcagtct tgtaagcagt tacgagtgta 120
cctttctcct ctaagtaaag aagccataga tgactccccg agactttag caaaactctt 180
ggccttaaaa ctatgctacc atatatnctt agaagtcaaa ggatgcaaca cagagaatac 240
attttttctat gangattaat acaagtgnat attagtggat ataaccatta attgtttgga 300
ctcagcctta tcttacaaat gcaaggtcat ttatctagat cagtacttaa aaacataaaa 360
ttttactcta ataaaatgca atataaaagt nggtttaatt ttgatatgtg ctttatagga 420
gtgaagctga aaatattta                                              439
```

```
<210> 2662
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<400> 2662
tgacaaaaag cctatacgat atgcaagant tgtatttnct caatatcaac catcacattt 60
agaaaacctt cagaaagcat atgtacatag tatcttatgt gtaagtgaat gagaattta 120
tgaataaact ttttaaggga attaagacan tacaatcgtc tgtatctgaa ataaagcaga 180
gacaaaggca aagattatag ctatggntga ggtgaactga gtatcaatac attctaagga 240
taacatagag ttaatganat tnattaaatg atcaatacca gtataataaa tatcctggca 300
```

2046

```
<210> 2663
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<400> 2663
ctttaattgt nctcactcac ttccaagttt gaataagact tttattgagg tatttacaaa 60
tccatatctg catcccttct ttctatgttt ctaattgtca ctttcaccta tacatgctga 120
ctcctagaaa atagtttgtt aaatagcaag gcatgagcaa ttattaataa tccccaaatt 180
caaattttta aattcatatt tttaatgaca tgagcatttc ccatgtcacc tatattactt 240
tttaaattac tccttttccc tggcttgcct tattccacat ccacctaagt ccatctgtct 300
ttcacatgct atcatattta tctttatgag tacagctttc attgaatttn actaaaccta 360
gaaattgcaa gacacttgag aaacttctag taacctaata tgtaatcaca tgttaggtaa 420
tcaacttttt gcaggttatt ttcaattact ctcca                             455

<210> 2664
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 2664
taaaaactaa gtttccaagg cagtatgctg tggtccttga aaagtccttt agaagaattt 60
tctngaataa atttagagaa aacctaagtg tttcctaggg gatgcttacc aactcctcgc 120
ccctcccccg cccgccctct tttattttaa ttgtgactca gggttaaata caaactacta 180
gcagctgttg gtggaaaaga gcccaatccc aaactctggg gttttccttt gttcccaagg 240
gaggccttng gaggaatgaa tgatcctaaa ggtaatgagc agacctgngg gaatcctcca 300
```

2047

```
agtgccacct ctgactaata ttgggctgtt gccaggaaaa cccaacttttg ggatttcaag 360
ctattacttt ccgtgcaacc cctggtgctt gactattcaa ggggacagct ct          412
```

<210> 2665
<211> 366
<212> DNA
<213> Homo sapiens

<400> 2665
```
agcagggtcg gcagtgaaga gcagagaaag gcagttgggg atgttgccac tgtcccccga 60
gaccaccctg ccatggagac gagggagctg tcccttcgcg gaaggggct ggccagcaag 120
aaggacagag agtggactgg ccgaggaccg ctgagctcag gacccaagga ggactcttct 180
aggagacgag agagcgaacg ccagggaccc tgtgcaggcc tgctcctccg tttgcaagca 240
ggctccctcc ccgaggccgt tcagaagcat tcctcagcgg gtcctacacg tttcctctcc 300
catgtcaagt ttagaagcag tgtcaagacc cacagcagtc ctgcaggagt tttaagggat 360
gcacgg                                                             366
```

<210> 2666
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<400> 2666
```
gaattttaat agtaaaatct tataagtgga tgaggagagt aattaatata tagaacatta 60
ccaattataa atacatattt aagtataatt tagtgttttc tggaaagaaa tcaaatgtgt 120
ttctgtgggc attcacattt tctttttttgt gaattttcca agctttctac aatagccata 180
cattctgcaa tatttatagt ctataactta ttatctctag ttgacaaaca tggttctttg 240
tttcttaaat tataaatgtc tttaacctaa aaaaattaaa tagtcattca gcttacaggt 300
ctgcttaaaa aacagaacat tttttagctt nttttgaacc aatttttta atgttcctgt 360
gcaattagta ctttttactt taaacatatg cacttaaagc atccattcac atttttaggca 420
ctcatttcag tattttctttt ctgcttacat tag                              453
```

<210> 2667
<211> 479
<212> DNA
<213> Homo sapiens

<400> 2667
```
gagagaatag tgggtaggag ttaaccagga aagcaaggat gaaagcgtgt tgcgtttaga 60
taaaggatag gcttcaaggt cagggaacgt tgctgggtgg tgagatggaa ccctgatgtg 120
gaggctcagc aggaagaagc aggaaggaca ctgggccccc ggtggtttta gttccagaaa 180
caaatgtggg ccccagggct ctgcaatggt aaggctggaa ctactcaaca taagagctcc 240
acctttaact gtgcccccta agagtacctg atgatccccc tatctccttg tcaatgttgc 300
tgttcttctc cagaatctat ttcaaccctt ctctgatttc aaaccaccag tcccttttacc 360
tctcagagaa aacagcaacc acaaaagcct ctccacttcc tactatctta atattgacaa 420
cttccagatc agggagctga gatatctcaa gctcaggttt ctcttctgag cttcagacg  479
```

2048

<210> 2668
<211> 450
<212> DNA
<213> Homo sapiens

<400> 2668
ccgcatccta gccgccgact cacacaaggc aggtgggtga ggaaatccag gtaaggctcc 60
tgacagcagc tttagaaggg tacttgctgg agtgaattcg ggcctctgat tgctatataa 120
agttgtaggc aatcaagcaa cagagaactg caagtttcca aaggcaatga agtaggatac 180
ggaagggaaa tcatggaatt ccacaaaag tcttactggg gcctttcttt ggctagagct 240
ggcacagtgt gacgttcccg agttagttca gagaaatgct ttctcttttg cgaaacaaaa 300
tttccaagag taggtgaatc ctaggatttt tcaagcctgg gacagggtcc agggattttc 360
gtctcagtca ccatctaaag cttttctttcc cacgggctaa agcaaagccc cataggcttc 420
tccactatga cacctcagct cggattgccc 450

<210> 2669
<211> 507
<212> DNA
<213> Homo sapiens

<400> 2669
cgctccccca tccctgctct gctctgaggt gccagccaga gccgctcagg gtcctccgtc 60
cggtttcccg tgggcctaac agcagggccc tggggccacc acccgcacct ccctgcctcc 120
atctcagaaa ctgaagcctg ggagcccct gggccacctg agtctgggag acgcaagcca 180
atcccgggga caggccccgg cccccttccta gtgaggggca cgctctggtc aatcgtgggg 240
cagagaaatt tgcttttttaa cataaaacgt atcctttgtc cctagaatgg caggctacct 300
ccctgcctta ttctgtgaag atgtagttcc tttattagca gagcttactt tgaaggtaga 360
ataacaataa atatataagc agttggagag taaaatcact acagtattca agtctaaata 420
tattacaaat gccaagtttt attggaaaat tatatataaa attcttatat acattttagt 480
aagcctccat cttagtatct aaaactt 507

<210> 2670
<211> 404
<212> DNA
<213> Homo sapiens

<400> 2670
tacaggcatg aaccaccatg cccaacctca tttacaattt ttaaaaaaaa tcttaagatc 60
tgtatttttt atagtttata aaagtttttt tgtgatcaca aaaatacatg cttttggtag 120
aaacacaaac atacaaagat gttctataaa actgactttt tatcgtacat tttaagatat 180
ttaaaaatat tttctgtaat ttcatgaaga gtactaaagc cacagtcact gacattgtaa 240
acacctctgt tcattctcta acctgttagg tggttaagct attttttaatt ctaggggggct 300
caggctgaac ttgaggttgg ggaggagaat ttgcctctgc ttttagttgc aattttcaag 360
tgaggtgaaa ttaagtaaaa tttgtaagag cttttttggc tttt 404

<210> 2671
<211> 414
<212> DNA
<213> Homo sapiens

2049

<400> 2671
gaaactcctt gttggctcaa ctgctcttca cagatgcata attttggagt ccatacacca 60
ccctggtcac tctctttaga atacactcca gttttgtaca tttattctat tttcaactgt 120
atgttaattt taaagtacag catgcaacat gaaaattaac atgcacacaa tgagaggagc 180
tgtgttaggc gaaggagctt attgatgatt actttgcttt ttcaaaaatt gtgtttaatg 240
ttggcatata ccccatcttc catagaaata aagtagggtg ttcaggatct aatttcaaat 300
gtagactagt aatctcaaag tgtaatggga caattatatc ccttgttcag gagacaaaat 360
tgctcccaaa ccttcttttg ttctgttttt tcatggcata ttttaagctt aaaa   414

<210> 2672
<211> 445
<212> DNA
<213> Homo sapiens

<400> 2672
cacgcaagca tggtaggact tgctggtggg ggccgagtaa catccagctt aatctttccc 60
ccccttcgtc gcccgtgcta tgccgggatg ggtccaggct cctgtgtgga ctcgatatat 120
cagagcaacc caatcttgcc gggatcaacc ctaaagggac cgggctacgg ggccaggaat 180
tgaagtgatg ggttcaaaga ggtagagtta gccggggggtg gagttaatga ggtctcttcc 240
ctctttgggg ctcgacggag ggaggaagct ctgcttgaag cacatggggc tggcccaccc 300
tgtagtcaga ggtagcaagt aatgaggagt cctcctggag tgcctcagct ttagctgggt 360
aaggtagggc gttgtgccat tgtggtcaaa taacattgca cgttctgaac tgtttctttta 420
ctaggttaac gtccctaaaa cccgc   445

<210> 2673
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 2673
gcagactagg atggctgtat cactaacagc agctgaaact ctggcccttc agggtacaca 60
gggacaagag aagatgatga tgatgggacc aaaggaagag gaacagtctt gtcccaggnc 120
ctgcacatgg acctgcacag gaagagccat gggagaagaa ggaatctctg ggagcagccc 180
aggaagcact gagcatccag ctccagccta aggagaccca gcctttccca aagagtgaac 240
aggtatattt acattttctg tcagttgtta cagaagatgg cccagagccc aaggacaaag 300
gatcattgcc acaaccaccc attactgaag tggaatcaca ggtgttctca gaaaaacttg 360
ctactg   366

<210> 2674
<211> 233
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)

2050

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 2674
acnccctcat aagggaacaa agntngngtt ccacnggtga gnccgtnttg nactatggat 60
ccccnggctg cagattcggc agagcagaga cagagggagc cagccgggcc ccaggtgtcc 120
tcggacgcct ccgaaatctc ctgcgtgttt gtttcttcgg agcttcaccg gagcctgact 180
ctggaaccgg cctgtctgcc tgctgcagtc ttatgcattc ttagaaacca gat        233

<210> 2675
<211> 547
<212> DNA
```

2051

```
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 2675
gatngtatnc aacccacact aaaggnaaca tangctggag ctccaccgcg gtgcgnccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcttttc cattaaaaag 120
aaggaggaaa agagaaggag agcaagagaa aaaaaaatta ccttatatgt ctgtcttctt 180
atataagaaa gtgacaccat acaaagaaac aactattcag gctggtgcta gagggttggg 240
gagccgagga atccctgggg agcagtcaca gggaattcca tccaaaagtc caacatgcag 300
tgaatatccc acaaatgtta gtggtgcctc tgcagaggta gcaatgttga acgcctcgag 360
tattcccgga tgattttgat taatttcctc attccttttc tcctgagtcc agatatcccc 420
agcatagatt gcttcccaca tagtatctcc aattttaagt aatatatagt ctaatatctg 480
tttctttatt ggctaagtgt ctttctctgc gtctcctcta tatcatcaat agtcctctgt 540
catcttt                                                           547

<210> 2676
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2052

```
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 2676
ancctcacta agggaacaaa gctggngctc caccgcggtg ncgnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agctagagag caacatgatc aagctttgcc 120
tgtagaagag taactgagca tcgtgtgcag aatggatgag agagaagcag cagagagaca 180
gcaaggccat tcagcaagct caggtggcag gtcccatctg atggaggaga atcaattcaa 240
ggagatgccc ttcctttaca gaacacccct taacagcatc caggaggaac gagaggctgc 300
aatactgagg ctttcaaagt actcacgagg atgtccgaga atggctgtga tgccaggctt 360
ctggcaggtt ccagactcca tcacaagccc agcatccctg caccagatct gacatcgctg 420
ctgttgtgcc agctgtttat gaagggcctg agtagctagc aggttttttat caggagccct 480
gctgggggct tagacaccaa aagagaagtc tcatcctctg tagttcttct tgtgaatgtc 540
cttttagaaa aacaattaga accaaccaca agcaccaaag t                     581

<210> 2677
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
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2053

```
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<400> 2677
nanagccaac cngtcactta aagggancaa aagctggagc tccaccgcgg tgcgnccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gagggccaac gctggttcta 120
tccctgcttg ttgctttttt tttccctccg cttcttgcga cggagactgc tgtccaggaa 180
gtgcgcagta gtgattctag agaggctgga agctctcctg cgacgctgg ggccgcgaag 240
ggctcacgta atgactccta ctcctggtga gcgcaggcgt tgcggaactc accgtccac 300
aggacgtgtt tccggggggta cattaattgt ggctggacgc agtggcgcgg cagtttaatt 360
ctccggcggc tgcagattga cgggacgaga tggtcctggc agggctcatc aggaaactcg 420
gtcatcagct ggccgagatc agggagcgcg ctctcaagag tattctctgc aagattgagc 480
acaacttaat ctgctacgct gatctcattc aggagaggca actttttctt catttgctgg 540
aatggttcaa tttcccgtcc gttccgatga aggaagaggt tctgaacctg ttaagcagat 600
tggttaagta tcccccagca gtccaacatt tggttgacgt tggtgcagta g       651


<210> 2678
<211> 326
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c


<400> 2678
tgaacatgca gtatatgttc agatagaaaa aggaagtgcc agaataaccc agctttaaaa 60
aggtcttcag aagaaaggaa gtctcacttt ttaaaataaa caaatgagan agtgtttttg 120
angaggagca gaaaatggag caacttgatt ncagagcact cgctcccctc gtgatgttgc 180
cggccacacg cacctgcgac ctcgtgcaga aacgtgcagc agtgctttcc agctggtggc 240
aggtgatgta catggtacgg agacagaggg acgccatggt ggcaggtgca gccgtggtgg 300
agagcacagg gcgacactcg gcttgg                                    326


<210> 2679
<211> 343
<212> DNA
<213> Homo sapiens


<400> 2679
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2054

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ccatcctgtc ctgccaagtg tacatctcgc agatcctggt ggcctctgcc cttggggggcg 60
tggtcgacgc cgtggggact gtccgcgtca tccccatggt ggcctctgtg ggctctttcc 120
tgggcttcct gacggccaca ttcctggtga tctatcccga cgtgtcagag gaggccaagg 180
aggagcagaa aggcctgtct tccccgttgg ccggcgaagg cagggccggc gggaacagcg 240
aaaagcccac cgtgctgaag ctcacgcgga aggagggcct gcagggaccg gtggagacag 300
agtccgtggt ctgagccgca ctcccgttta cacacattcc agc              343
```

<210> 2680
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

2055

```
<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c


<400> 2680
gttttaagca tgtttattca taaaaacaag tcatngntgt attttnnatc tttaagaatg 60
cttaaaaaag ctaatcccta aaatagttag atctttgtaa atgcatatta aataataaag 120
tatgacccac attacttttt atgggtgaaa ataagacaaa aataatagtt ttagtgagga 180
nggtgctgag taaacataaa aactgatttg ctctcagctg atgtgtcctg nacacagtgg 240
gaagatttta gtacacactt agtctaactc ccccattata cagatttntc actatatata 300
tnactagaag gggctaangc atattcaatg tattgagaaa cnaaagnaac caca       354


<210> 2681
<211> 156
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

2056

```
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 2681
tagtggatnn ccgggctgca ggaattcggc agagnccaaa aaagtagttt agcaactttt 60
gttggtagtc naccatcgcn agggccatag tgtagagtgt gaaaagctac cgtgaaacnc 120
agtaatccta ccctgcaang tgantgccct gccaga                          156

<210> 2682
<211> 219
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
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2057

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c
```

2058

```
<400> 2682
aggcctgcnt ccagggctgg nctgaaggcc tnacccctcc tgcngaaaag ctggccgccn 60
aaanaatgtc tctnagagac tgcgagaacc tttaattttt tnccggctgg ttcggatttg 120
gggtggattt tggtttttntt cccctcctc caatntcccc caccccttcc ccgncctttt 180
ttttttttt tttnaaaann ggttttttat nttgaaatt             219


<210> 2683
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 2683
cctgccgccc ccagctttgc ctggacactg acttcattca tggtcctcct acttcagggg 60
cagcctccca gttcctctgc ttccaaacta tgcaacctcc aacctgctcc agttccagac 120
tgtataacct ctgacctgca ctggttctag accacaacac cagattgtac ccagatagct 180
ggggattgga agtgaggagg tttctcaccc cacagataac ccaagacaca aatgtgcaat 240
taaaagttta ttttagacca caaaaanaaa aganaaannn             280


<210> 2684
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
```

2059

```
<222> (253)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c


<400> 2684
ggcacgagga aaaagcccgc ttcagaaaag cttgtcatta tccataggat acgatactta 60
attttacgct tccttatttc ttaggtggtc cacaattagt gaaaatctgt ttgcaaccac 120
tggttatcct ggcaaaatgg caagccagtt tcaaattcat catttaggac accctcagcc 180
catcctcatg ggttctgtag ccgttggatc tggactgtcc tggcatcgaa ctctccctct 240
gtgtgtaatt ggnagggaga ccacaagctg ttgttttggg tgactgaagt ataaagtgtt 300
ttcnagtacc ttagattcac aaactttgtn tttttagtac anatttggaa gaattccnat 360
agtaccacan tttggaag                                                378


<210> 2685
<211> 428
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c
```

2060

```
<400> 2685
agagagagag agagagagaa cagtctcgag tttttttttt tttttttaaa tgttaagatt 60
ttatttacaa agcttttttg ttgtacagaa agtaaaaatg ctgttacaat ctcagtgtaa 120
ctggtagcca cagacggttg actcaccaat cacagctatc cacgctacag caagantctt 180
acacaaaaac ctaacaacgc ttacaatttt tttggggtga agtccacaag cttggtggta 240
gattaccaag agggactaca tggaaggaag gcggaatgtc acaggaacta ttctttggct 300
cttngggtgg gtgggtgtcc tggggtttgt atcacagcta cctttttttt tttttaaac 360
agctacaaaa tccatgagca gtccaaccaa tactgaacag ttctgtttct gcaggtcatc 420
tggggtct                                                            428
```

```
<210> 2686
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c
```

2061

```
<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<400> 2686
gtccggncac ttatagggaa agcnggntac gccgtgcagg taccnggtcc gggaattccc 60
gggntcgacc cacgcgtccg cttctttttag tcaggctttc tgaacattga gatatcctga 120
acttagagct cttcaatcct aagattttca tgaaaagcct ctcacttgaa cccaaaccag 180
agtactctta ctgcctcttt tctaaatgtt caggaaaagc attgccagtt cagtctttttc 240
aaaatgaggg agaaacattt gcctgccttg taataacaag actcagtgct tattttttnaa 300
actgcattt aaaaattgga tagtataata acaataagga gtaagccacc ttttataggn 360
nn                                                           362

<210> 2687
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 2687
aaggagtcta acacgtgcgc gagtcggggg ctcgcacgaa agccgccgtg gcgcaatgaa 60
ggtgaaggcc ggcgcgctcg ccggccgagg tgggatcccg aggcctctcc agtccgccga 120
gggcgcacca ccggcccgtc tcgcccgccg cgccggggag gtggagcacg agcgcacgtg 180
ttaggacccg aaagatggtg aactatgcct gggcagggcg aacagaggaa actctggtgg 240
aggtccgtag cggtcctgac gtgcaaatcg gtcgtccgac ctgggtatag gggcgaaaga 300
ctaatcgaac catctagtag ctggttccct ccgaagtttc cctcaggata gctggcgctc 360
tcgcagaccc gacgcanccc cgccacgcat tttatccggt aaagcgaatg attagaggtc 420
ttgg                                                         424

<210> 2688
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2062

```
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c


<400> 2688
nancgagtgg ttatcttgcg gtaagattat ggatgatatg tatgtttttt tcttcgtatt 60
tnctacctta aacaaaaagn tagaaaatat gttttaaaaa gttatggatc atttgtttaa 120
ctttaaaaag cagaaacaaa accagaatta accccaaaac atgttgattn agtcactnct 180
atgtcactgt ttggcataac tctccttttc atgtcacata ttcttgtcgg ttctagtgat 240
tgatcaaagg acacctctnc actttccctt gtccctnggg caccctgtnt t       291


<210> 2689
<211> 282
<212> DNA
<213> Homo sapiens


<220>
```

2063

<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<400> 2689
aattcggcan aggattggag taaggnttgt attttgaggg acatgaatgt ccaaagtttg 60
gaccatgaag atgatagaat cccaaggaat agctgaattt taaaaggctt tcccccaaaa 120
aatgggcata tatatagtag taataattgc tactgtgtac atttgtttta aaaaatccta 180
gtgcttgtgc aagtgtaatg aattttgcct tatgacatga ctttgtggtg actatgcaat 240
ctgtncattg ttncaaaaag ttacacagtg ncaaaggaac at   282

<210> 2690
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

2064

```
<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
```

2065

```
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

2066

```
<222> (378)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (436)
```

2067

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c
```

2068

```
<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 2690
aattcggcac aggcgcaatc tgcaagtccc aggtagccga ctcgaggaag aagcaggccc 60
ggtnctgctg cagtgcccat caccaccacg aactctctca gcgtcttctg ttgctccgct 120
gccgtcttca tcccatgcgc ctccccacat ccactacttt cttatcattt ctaaagcatc 180
cttgagtggg acttttgtct ttctccngag aggggagctt agcgcttgng gttnttgagg 240
atggtttaat agaggggnat gtgnntagct ggaacccaaa ctcttgtgtn nttggtgtga 300
cccttgtntt acacaatgtt ngtctatggt ggattggttn cacngaggnt tnnngtntna 360
tnagntttna aattgntnat tgtgntagnn gaagttncaa aagtgttttt gaaggtaanc 420
agtaangnng gnttanaann ggcanttntg tgacgngaga gngtgttntt gnggggggagg 480
gnntntgnat ttttnggnna taaa                                       504

<210> 2691
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c
```

2069

```
<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (438)
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2070

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<220>
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<222> (454)
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<220>
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<222> (470)
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<220>
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<220>
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<222> (487)
<223> n equals a,t,g, or c

<400> 2691
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tagagagaag cttgcacacc atcataagat aaaaaacagg cctctggctc caccgtctca 120
ttgaagtgaa tgctgtttat cctccccact aatctgcact cctcacatgg gatcacagcc 180
cagacaacat ggcagacaga gaggcagatg cagagctgca ctgactcagt gggaccagct 240
ggggtnggtc atttaaacag accactcctg ccaaacagcc tgcggtgggt ggaacaggaa 300
ggacttcctt ggcctcgtnc acatgggaga aaagannttt tttttttcccg gagacatgtt 360
atagttggan tanttnatta cattattttg ggttgnccan tttttttaaa aaacagttan 420
cgggtttnaa aaatttanan aaaatggggg nganttngta aggttngggn catttgatta 480
tttcannagg tttaacccat gg                                          502
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2071

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<210> 2692
<211> 502
<212> DNA
<213> Homo sapiens

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<222> (14)
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<220>
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<222> (272)
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<222> (290)
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<220>
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2072

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<220>
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<222> (395)
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<220>
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<220>
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<222> (452)
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<220>
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<220>
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<222> (463)
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2074

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<220>
<221> misc feature
<222> (467)
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<220>
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<222> (472)
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<220>
<221> misc feature
<222> (481)
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<220>
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<222> (488)
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<220>
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<222> (491)
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ggatatgggg catgccattt attttcccaa ttataaaaga gttttctcag tttgtatctt 120
gggctttta ccttcaggtt tttttttaat gtgattatct tcactctctg gatatccaat 180
tttgttcctt ttaagataag agacagaagg cacatacagt tggatttgtt gatgacattt 240
tgttggacaa catttcttca tgaatgtttt tnggcattgg gtgattaggn tcctacagaa 300
caatattttn canatggnca cacngtttta aaagcatgaa caacaaagtn atcnntggaa 360
atacgnannn ncaattatgg gttttgtaca tttnnaggtt nccctngnng gggccatttg 420
aataatnnan gggttatatn ttggggcntg gnctnggggg agncttncgg tngcggacgg 480
nggccaancc nttttcgggn tt                                          502

<210> 2693
<211> 498
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
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<223> n equals a,t,g, or c


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<221> misc feature
<222> (13)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c


<220>
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<222> (370)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c
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2076

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<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
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<222> (411)
<223> n equals a,t,g, or c

<220>
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<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
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<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c
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<222> (454)
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<222> (459)
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<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<400> 2693
aattcggcan agncttaaac aaaattccaa gaataattct tgctttaggc cttgcctaac 60
gcaggaactc acagtgtcac cagaacccgg tttctttcag ttccgttctt acccatgtta 120
gttccttttg caatagactc tggcctaata agtggcaaga cagctttatg caacttctta 180
tatcttctca gagtgcagtc tggtggggaa agactgaggg acccaggatt ctcatggtgt 240
ttcatagggt ctgactgggt gatgtccccg tnttatgaaa ccaattgttg tgggttgcaa 300
aaatgtgggc agnttccctt ggattcacan ggattttcaa nntgttagga ngcaagtggg 360
tngcaacatn gaaggnncct tgggggnccc agagttnggg aaggggngga ntttcccaaa 420
ggaaantttg ggggttntnt gccnaggggg nggnatttnt ggggnnggga anaannangg 480
gaacctttt tttttggg                                                498
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<210> 2694
<211> 494
<212> DNA
<213> Homo sapiens

<220>
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<222> (167)
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<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
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2079

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<222> (344)
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<220>
<221> misc feature
<222> (356)
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<220>
<221> misc feature
<222> (357)
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<220>
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<222> (369)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (387)
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<220>
<221> misc feature
<222> (422)
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<220>
<221> misc feature
<222> (432)
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<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (477)
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<220>
<221> misc feature
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2080

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<220>
<221> misc feature
<222> (488)
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atgagattaa tttgcttagg ttagacatgg gagtgttttt aatttgctac cgtctgcttg 120
atcccagatc agagtctaac tttttgcatt agctcctctg actgggnatt gaccaacttt 180
gtgaaataaa agcctgcccg ctgctgcctc tgagactcag ttattagtac ccatggaagg 240
gctttaggca ggnnagctct tcagggaact cagnggagag tcggtggnna tcatggntga 300
tggcattcag tgggncagnt agcccaggca cagggtgttt aaantacaaa catttnntca 360
cccatatgng ggaggttaaa aaaagtnaat ttcgaaaaca ttttttaat ggccttaact 420
tngggggttt tnttttttaa aaaggggaac angggggtt ttggaaacaa tgggnantng 480
ttgggggnaa aaaa                                                   494

<210> 2695
<211> 240
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
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<220>
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<222> (5)
<223> n equals a,t,g, or c

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2081

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<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 2695
nagtnnactt ggtagctgac ttgagccatg cccttagaat caggctctat aaatacatat 60
gggctaagcc ctcanaggcc atgggaatgt ggaaacgata tgttgggtca agtgtagagt 120
atcagtccat gatgagaact ttttctagac cctcttctgg gctagaattt ggttttcagt 180
gatagagaca ttctaagaat ttgtggagct agaattaagn aagnngttta tattgggctt 240

<210> 2696
<211> 260
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
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<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
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<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2082

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<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<400> 2696
naggtcttct ccccctatag caggctagct tgggttcctt nacacagtgg tttnantttt 60
ccaagtgcag caagagagca agcaccaatg tgcaagtgaa ctttnaaagc ttctgccttg 120
gcatcatgtt tgcaactgtc ctgttgaacc aaagcaaaag tttcatgaac cagcctaggt 180
tccaggggtt ggaagaataa acacctgtnn aaatgggggg aagctgncat tgttatgttg 240
gcgtgggtgt gagtggcacg                                              260

<210> 2697
<211> 140
<212> DNA
<213> Homo sapiens

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<220>
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<222> (80)
<223> n equals a,t,g, or c

<220>
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<222> (124)
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<400> 2697
aattcggcac agctgcagtt gctaaaggta aggttcaggc tgtttaaccc tctgttaatg 60
aacgcaaaca tgnatcaaan ctgggtagga attttacagg ttattttcat ttctgcccaa 120
aggnagaaaa ccatttcacc                                              140

<210> 2698
<211> 226
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (29)
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<220>
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<222> (142)
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<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
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<222> (203)
<223> n equals a,t,g, or c

<400> 2698
aattcggcan aaatcgttca gggtcccgna cattgccatc aacagctgaa cagcctgccc 60
gtgaagtgga agggctggga agggccccgg gtaaggagtg ggaaatggtg agaattgggg 120
tagggggagc taagaggggt tncagcccaa ggtgtactta acccagcacc tagagaaacg 180
ccggagtctt aatgggtgtn tcnataagat atctttcgac tcttgg                226

<210> 2699
<211> 502
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
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<220>
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<222> (265)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (275)
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<220>
<221> misc feature
<222> (279)
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<220>
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<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
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<222> (338)
<223> n equals a,t,g, or c

<220>
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<222> (339)
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<220>
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<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
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<222> (358)
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<220>
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<222> (367)
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<220>
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<222> (376)
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<220>
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<222> (380)
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<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
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<222> (401)
<223> n equals a,t,g, or c

<220>
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<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
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2086

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
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<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c
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<220>
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<222> (474)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c


<220>
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<222> (484)
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<220>
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<220>
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<220>
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<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c


<220>
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<223> n equals a,t,g, or c


<400> 2699
aattcggcan aggcttccct ttagatatgt ctgttccaat gatcctaaaa ggtccagatt 60
gccctgagcg agtaggcatc aaaacaatgt ctcctctgaa ataaactcag gcattccacc 120
caggaacatg gccaaccgnc gtaaccacaa ggaatgggga ccacagggag gaggttggag 180
taatgatgag cttaccacat tgatcattcc atcaaagtgg gtacatattt accaggnagg 240
```

2088

```
tggactttta ctgctatttg caagnatgtt gaagnttgnt gtggggtgtt tcantggaaa 300
gtgcccagga gagancagtt agtatgtgga ccctgttnnt tttggggnnc ttngnggntg 360
ggggagngca cttganccan tntttgggta aggcntaatt ncaagngtng gggntttant 420
gtnttntaag gntttgtntc tactnttttt nggnatacag ggtttnatng aannnnggtt 480
atgnttcaat ncnnntttna ag                                         502
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<213> Homo sapiens

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2089

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2090

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2091

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2092

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aacctgaagg aggatgaacg atgaggatga aaggaagatg aatgatgnac ttatctgnag 180
ggcttatgaa cagctncaga aaagggaact ttctnnactn cattgaatga tnccttatga 240
atgccagcta aacttcagaa ctcccagtga aagattgctt gatggattga gaggccccca 300
ggnatggggn ccccattngn tttggggggg nttgttgtga ttttcaaatt ttnantttng 360
ggncctttgg gatttatgag gaaangtggg ganggggngnc agggngnggt tnttggggggg 420
aagttnccng gattttccag ggagggttga naaaggggan naaaaaagna aaaaangnnt 480
nnccntagtt tntn                                                 494

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2093

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2094

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2095

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cttggtttct ttctactaag agccataaag tatagaaata cttctagttg ttaagtgctt 120
atatttgtac ctaggattta gtcacacgct tttgaagaaa acatctagta tgttatgaat 180
cagctattcc tgagnagctt ggttgttaat ctatgatttc tatttcntaa gtggtagtca 240
tctttgnntg nataagacta aaggatttct ccacaggttt aaaaatttta atgnntactt 300
ttaaggggta aaaattatgn aggttattgg tttctgggtt ggggtttttcc tctaggctna 360
atnncatgat ccccaaagng gtnnccaaaa tgttngantt ttncggtggc cagnttggaa 420
ttgnggggnt gngggnccng gtacaacccn cncggtangn ancnccattg ccctgttttt 480
ntccccgggg nct                                                    493

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<213> Homo sapiens
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2096

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<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
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<222> (394)
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2098

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2099

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atgtgttcat taagcttttt aagaaatgtg atcgaaaaat gctgatgata cattgtgttt 120
aatagcttta ataaaaaact gataaagcat ctaatacatc taatgactgt nggatttcct 180
aaatctttta agctgaagga gtttactttt gacaaaaatc ctcattgaaa aagaatcttc 240
cggtaaaaac attgaactga agatttgcat aaatgcatgg ngtattactn tntattaagt 300
taaacttntg ntcttttaga ggcgtanaag tcagtctntn ntctnacaat gaattggttt 360
gggccttnan ggnntttatt aatnggtngn gccnaccgtt tanttgaaag gggcggttng 420
ncacgnggtt ntngnccgga ttggtnnagg tgggcttgnt tagggnnggg gaacagggtt 480
tttgcccttg ggggggnnan                                              500

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2100

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2101

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2102

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2104

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gaaactattt cagggcagtt taagaaggct gtacagttta gtgtaggtat atggnacatc 120
ttttttttgtn ttgtactatt tcttttggac atatgtttgt gaagctaatt aaacttttct 180
gtttcactng gtcactngag gttcataggt ttttctctta aaagacagaa taggactttg 240
ggnntgggtn cactgnccac ttngtttgna gtnatnttag ggnagtgctc cacagaaagg 300
tctttttnat ggtggggtcc caaaaaaatt taccccggtn tttgatgttg cnagtgngct 360
tttnagaatg ncttttnaca ngngagtngg actgtttnan aggnaanggg gnntgttgga 420
agcaacagga ggcatngtga gtagaggacc cngnnttttt tagntngggn gnaaacnnan 480
ggttcagnaa gaggattcag gn                                         502

<210> 2704
<211> 279
<212> DNA
<213> Homo sapiens

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<222> (96)
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<220>
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<220>
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<222> (144)
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<220>
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<222> (209)
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<220>
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<222> (239)
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2105

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anctaggccg agagctggcc agctcccaa gcacancaaa gcctggagac gctccagntt 120
gggctgggcc cacaaagggg ccanagcctc agggaagggc tccaggagca gggtttccaa 180
gggaagccac tttccctctt gtccacggnc caggcattga tgcccctttt gggcagcanc 240
cagggncttc caaagtcggg taagggtggg gcatggggg                       279


<210> 2705
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<212> DNA
<213> Homo sapiens

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<222> (257)
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<220>
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2106

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2107

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<220>
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<220>
<221> misc feature
<222> (473)
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2108

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<220>
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<220>
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gtttgagctg ctggagctga ggtttgggcc ccaggaccca tcagtcctgt gggaccatct 120
gtgaagactg gctctgagac ccagtgacct ccatatctgg ggacagttct gtctccactg 180
gttttttgcca ctggatggga cagggttgag gtggcttcgt cttgctgcct gggcattcct 240
ctttaaaata ccctggnctg gccacactgn taagacccat ttngcagatg aggaaaatga 300
aaggctaagg naagatgnac aantttttgag ggncctgtgg catcgnggcn gtttttccag 360
cccggncaaa agttgacccg atgtgaatga aaggcccagg ganttggggg aagcantngn 420
caatnaanna ggngtgtaat ttnganccccc aagngggncn atttncccna atnaaaagng 480
gtttnggngg taaaaa                                                   496

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<220>
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2109

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2110

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2111

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gattgttttg tgttttgaga atttattttt tcctcaaagn tccctcacct atttcctcca 120
aacagacaga attcaaagaa agaatagccc ttctttcatc cattatgaaa tgaattttc 180
atttgagcat gtcattttgc ttttttgttc caatggagat caaagggata caggttnacc 240
cccagtgttc agcagttctt ttcagttctg gaccttnaaa gaaaggggtc tggttgnaat 300
tgttgcagan ttagntctnn tncaggcatg tggggacncc agatgnntgg gtgtttgngg 360
nagccgagtg cttgtnatgn gtaacgtgnt gttttaanga acgggtggna agagcnngga 420
aattgggtgt tttcanaaca tttngtaggc aatggcccaa ngntacacat ttttaagggn 480
ttaanttggg gnggaaanta a   501

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2112

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<222> (298)
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<220>
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<220>
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<222> (351)
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<222> (354)
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<220>
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2113

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<222> (433)
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2114

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ttaactcaat tctatcagtg tacaaagtaa ataaaactta atagtaattt agattaaaaa 120
atttatagaa tttgctgact gcattgtgag ctaaaatatg agctaaattt atgaatgagt 180
tgtttggctt cccaaggnaa cttgtgnaga actgaaaatt tgaagtatca gaaaaataac 240
agtgtgaaat catgaaagga ttctcatana atatatctgg gtttgcagtt tttgaaangg 300
gcagtgtagg gggnaacctt attaaatctn aaattttcca nngtgtactt ncgnattntt 360
agccnctaag ggaaaggtna aattgtggtt ggttatacag nggttnttaa tggncccaat 420
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naaattggcn gcnaaatnng gatnacccgc ttnnngtttg gtatgggggc aaggtcnncc 480
tgncgttcca ccggnanttt g                                            501
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<210> 2708
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<212> DNA
<213> Homo sapiens

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<222> (56)
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<222> (394)
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<222> (395)
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<222> (405)

2116

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<220>
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<222> (489)
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caacagtcag tgtctgtnat tcagctctgg gagagagccg gctctggctc tgggagagag 120
cagcactgcc gaagtgaagc tgatgagagc tcaccagggt atgctggaag gaggaggatg 180
agacaagggt aatttgagaa gtaagaagat tgatatggta atgcacacac ggctacattt 240
tacttcccat attctcttgg tgtatctata gaaaacaaaa aagangcaac actatggtaa 300
gaaactaact gaagtttttt cttttccatt gcctaagact ttgttttgga cttatatagt 360
attattaatt accnccagtt aacttccaca tggnntttat tgtcntngnn ncggtagttt 420
tggggggggc tcaaaatctg gaggcnttgn ggatttatgg atttagtggg gggctnggta 480
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2117

ccctgggtnc tttggttc   498

<210> 2709
<211> 495
<212> DNA
<213> Homo sapiens

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<222> (19)
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<220>
<221> misc feature
<222> (206)
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<220>
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<222> (335)
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<222> (343)
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<222> (447)
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<222> (467)
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<220>
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<222> (473)
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<220>
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<220>
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2120

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<220>
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gtatgtctat atgtgttacg tgtatgtaat aatattttgt aaataagctc gttcttaaat 120
cgttagtaaa atagaaatgg ctttacaatt atccattaaa tataattaga tatttgcttg 180
atttaactgt gaagcttatg tctttngttg agagtttctg ggattcaggg ggtcttggat 240
agaggaccat gatgaagtat ggagacatgt tctcagtgcc tagaccagca gctaaagncc 300
agatccaggc ccattcggcc ccttctttcn gtggnttccc cgnttttgcc cttcggggtn 360
tttttagggg ggggttgggn cccccggtt tnggcctnca aanttnngtc tttngncccc 420
atgggcttcn ggnnggcccg gnnttnnang ttttcccggg ggccnnnggg ttnttngggn 480
ccnaaaatnt ttggg                                                    495

<210> 2710
<211> 497
<212> DNA
<213> Homo sapiens

<220>
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<222> (67)
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<220>
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2122

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<220>
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<220>
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<222> (356)
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<220>
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<220>
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<222> (361)
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<222> (368)
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<220>
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<222> (369)
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<220>
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<222> (372)
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2123

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<220>
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<220>
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<220>
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<222> (410)
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<220>
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<222> (435)
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2124

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<220>
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<222> (487)
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2125

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<220>
<221> misc feature
<222> (496)
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acgcngnagt acaccgtagc caatgtnatc tctgtcggct cggggctgct ggtgagcgcg 120
gcaggcaacc cgggcggggg accgggactc ccggagagcc cagcaggcca aaggctttgt 180
ntcttccaca gagcgtttcc ntgggacttg tggccctcct ggcgtccaga aaccttnttn 240
gncctccatt gcactgggtc ctgctggcat tagctctggt gaacctgntn ttgtncttgc 300
ctgttncctg gggcttcttt tgttgtgtta attattgtgg gncaagntng gcnnnngntt 360
nattgttnna tnnnaannag gattttttgg atctttggta acaatgggnn gaggggnncg 420
ggaaanattg atttnncctt tttaannccn aaannatttt ttgntnaaaa tttggntttt 480
tgggaanctt ttttnnt   497

<210> 2711
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<212> DNA
<213> Homo sapiens

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<220>
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<222> (22)
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<220>
<221> misc feature
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<220>
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<222> (122)
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2126

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<220>
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<400> 2711
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tgcccagatg cagctctatg aacattatgg aaaatgtgct ggtaagaaaa ggcagttggt 120
gngaccaacg tttgcactag tttccagggc gtcctgggtn gttttntgca aagccccggg 180
tgggggggatt ttcc                                                  194


<210> 2712
<211> 112
<212> DNA
<213> Homo sapiens


<220>
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<220>
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<223> n equals a,t,g, or c


<220>
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<222> (57)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c


<220>
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<222> (111)
<223> n equals a,t,g, or c


<400> 2712
natnaattga ctgtattcag aagatactat atttactcta ggagttaact cccattntaa 60
gcaagctagc acaggtgnaa aattgggtga agtttttgaa taacttgtca nt          112


<210> 2713
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<211> 494
<212> DNA
<213> Homo sapiens

<220>
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<222> (13)
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<220>
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<222> (31)
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<222> (168)
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<220>
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<222> (189)
<223> n equals a,t,g, or c .

<220>
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<222> (361)
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<222> (387)
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<222> (388)
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<220>
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<222> (436)
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<222> (440)
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<220>
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<222> (441)
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<222> (449)
<223> n equals a,t,g, or c

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<222> (453)
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<220>
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<222> (460)
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<220>
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<222> (462)
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<220>
<221> misc feature
<222> (463)
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2130

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<222> (472)
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<220>
<221> misc feature
<222> (477)
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<220>
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<222> (487)
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<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
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tgtaatgtca catgatgttg aaattatcca tgggtgtttc tatttaattg ggaaaaattc 120
cctgttcttg ttttactcat ctttgggaaa taatcctagc agctaggnat caggtttgaa 180
taactaatng gatgattaag tgaaatattt ttaaactaat tcagcgtnta ctccttttag 240
acaattccat actggaaaat aatttcccca catattccat tnaggcaagt aaggtggncc 300
aatncctana taaacttagg gggggtttcg gtggtntngg ttttttttacc cttncccggg 360
nntttttttt ccnnttttta tntcggnntt tgcttttggg ggaatttgcc ccnggggggn 420
ttctgttttc ccggcntttn ntttttttnc aanctttttn cnnggggggtt tngggncc 480
cctttngga antn   494

<210> 2714
<211> 277
<212> DNA
<213> Homo sapiens

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<222> (12)
<223> n equals a,t,g, or c

2131

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<220>
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<222> (160)
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<220>
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<222> (248)
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<220>
<221> misc feature
<222> (268)
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<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

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gaattcggnc anagctaccg tcccagatga gctgcaggaa gcgtttcgat gtcatgtgga 60
ggagccgccg agtgattgat gggcccnagc ttgaatggaa agtccagatt ccagcaacac 120
agcttaagag atgaaggttg cttgagcagg aaatccaccn atggcccaaa gaggaaagat 180
ccgctttaaa tgcctgggca tatacttcca agaaccagat gtggcctgtt ccttacaact 240
ccttgggntt tagatgacag tttgaaantt tgngggt                          277

<210> 2715
<211> 496
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (243)
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<220>
<221> misc feature
<222> (318)
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<220>
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<222> (345)
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<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c


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<221> misc feature
<222> (364)
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<222> (365)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (366)
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<220>
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<222> (372)
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<220>
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<222> (397)
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<222> (402)
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<220>
<221> misc feature
<222> (406)
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<220>
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<222> (411)
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<222> (419)
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<222> (427)
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<222> (430)
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<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
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<220>
<221> misc feature
<222> (449)
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<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c
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2134

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<222> (489)
<223> n equals a,t,g, or c

<220>
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<222> (494)
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tgtatgtctt tggaacagtt gggaaaatgt agttcttatt ttcagtcaca ttatagtgaa 120
cttttagtta tggattacat tagttaactt ttaatttctt ctgtttcttt tgaaatttta 180
tttcatcttt tagttgattg cctttttcatg tatatnagga agttattcaa attccacgta 240
tgnaaaaaga caattcttta gcacataaaa acttattact tcgtgaggat agaggaaaga 300
gaaaatgact aaagttantc taattagagg aatggggaag tggtntttgg gnacaattaa 360
tccnnngctt tnttgatttt ataggggaag ggtcatnagg tntccnggaa nccngtacng 420
tagttgntcn ntgtcaccag ccntggccnc aattggcnnc cctgggnttt ggtaggaagc 480
cggatnccnt tccncc                                                    496

<210> 2716
<211> 489
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (157)
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<220>
<221> misc feature
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<220>
<221> misc feature
<222> (196)
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2135

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<222> (248)
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<220>
<221> misc feature
<222> (261)
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<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
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<222> (323)
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<220>
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<220>
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<220>
<221> misc feature
<222> (330)
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<220>
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<222> (331)
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<220>
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2136

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<222> (344)
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<220>
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<222> (346)
<223> n equals a,t,g, or c

<220>
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<222> (347)
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<222> (361)
<223> n equals a,t,g, or c

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<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (369)
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<220>
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<222> (370)
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<220>
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<222> (372)
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<220>
<221> misc feature
<222> (399)
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<220>
<221> misc feature
<222> (400)
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<220>
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<222> (407)
<223> n equals a,t,g, or c

<220>
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<222> (411)
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<220>
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<222> (420)
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<220>
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<220>
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<222> (422)
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<220>
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<220>
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<220>
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<222> (443)
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<220>
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<222> (449)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (458)
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<220>
<221> misc feature
<222> (459)
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<220>
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<222> (468)
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<220>
<221> misc feature
<222> (473)
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<220>
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<222> (474)
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<220>
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<222> (483)
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<220>
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<222> (487)
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aaagtattta ggaacgtggg gttatggtgt tttctgcatc tgtttacgag atcatttctt 120
cctcatttct ctcagaactt tggtgttaac agcctgnttn cctcctttag gggatgactt 180
tgaacttagc agatgnctta catgacaaag gaaactgtga gtaactcctt aaactctcca 240
ctgtgggntg acttgcttat natcaccaaa ttattattgt tttcccaaaa acgnatctcc 300
tngtggatgg tccatggnaa ccnttttnn nccagngggn aatntnnggg ggttangggn 360
ntttntngnn tnntttttgg gggatttttt gggcccttnn ttttggnttt ncccccctttn 420
nnnggggggtt tttttnaaaa ccncccagnn tttggggnng ggggggggnaa ttnnnccccc 480
cgncccnaa                                                          489

<210> 2717
<211> 409
<212> DNA
<213> Homo sapiens

<220>
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<222> (93)
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<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c
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2140

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<222> (379)
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<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<400> 2717
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gggactccgg tgaagcctgt tcagccgtct gtntcatgtg gccatcttga gtctactctg 120
tcgctcttgt gccctagcac cccgagaact gtcagtttga gccagatgga agctgagctg 180
aacacattac gatggatgat ggaaacataa gactatcaag aaatccaagt ggtaatgggc 240
gaatttattc agcatccggc aatggactta tcgtagtttg gggaaacggg gtgtttccga 300
taatntcctg gagttatcag gacacctttt ttaaatttgg ggcctgattt tngtaaaagt 360
aattntttaa ggtggtccng gnttaattta attaaaangc tttaattca          409

<210> 2718
<211> 374
<212> DNA
<213> Homo sapiens

<220>
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<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
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<222> (206)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c


<220>
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<222> (355)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 2718
ttttaaaaaa aagagttact tcatttttn attcctcttg gaaatgccta aaactacagc 60
aagagaaatt ntagacttct tgattttaat gcagatgatt taaaccagat gatcataacc 120
ttttnatgga agtagtacgt atatttggcc cccagggacc tgagaatccc cagtgctcca 180
naggagacac tctgcagaag aatgtntgtn ttccagaaaa gggagtaggt cctctggtgg 240
cagctgctac tgtgccagtt tatatggggc cagttaagat tagnggctga ttggccagct 300
caaaaaagct gnttaaaaca caaaaaaaac tcaagagagc ttttgccagt gctcntttgt 360
ncccntggga accc                                            374


<210> 2719
<211> 322
<212> DNA
<213> Homo sapiens


<220>
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<222> (34)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
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<222> (42)
<223> n equals a,t,g, or c

<220>
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<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

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<220>
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<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c
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<222> (208)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c


<400> 2719
cggctagccc gcctgggaat gcccttggcc tccntntncg tncccacatg cagggcagca 60
caaggagaat ggncgtnatg antnatgtcc accggngctt cctccanttc ctgatgaccc 120
atggggtgct aaaggaatgg gaacgtgaaa ggccttgcag aggcactgct acaaggtcca 180
tgaaccgcag tgcccaccgt agatnaantt ggaggacttc atccaacaac attnaacagt 240
nttttggaag tccttgtata ttgagattaa agagaaggag tgcacggaaa gatgatgggn 300
agacccattt tatgnnttgg tg                                        322


<210> 2720
<211> 385
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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2144

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<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
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<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
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<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
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<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
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<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 2720
ggcagagtgg gatgtcaccg gttcatgctg aagagaaatt gtaaaggaac tcctttgcct 60
ggctcaggcc ccatggnctt ctnttnatgt tttgtccccg tccctttgtg agtcacagca 120
gncagtgggg ctggctggna ctgtgccagg cgaaggttca agggatggag gtacagttgt 180
gtngaaaggt ggagcctngc tgggaccggg gnagcttttc ctccaaggcc tncgcctggn 240
cttatgaatg gncgttnagg ggttgagggn gaaagctttc atcccaaaaa tggcaccagt 300
taacttgggn atgttcaaga atgnatggtt tggctggntt cttcagggat tggngttcaa 360
ttttccancc caattgaacc tttcc 385

<210> 2721
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

2146

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 2721
ggcacgagcc acagtaagcc aggctcaact nagacaacac tgtcccctgg cagcatcaca 60
acttcatctt ttgctcaaga ntttaccacc cctcatagcc aaccaggctc agctctgtna 120
acagtgtcac ctgccagcac cacagtgcca ggccttagtg aggaatctac caccttctac 180
agcagcccag gctcaactga aaccacagcg ttttntcaca gcaacacttc agcctatccc 240
agagaaaacg gcacagggaa cagtatgatg tgcctcaaga gtgancgaaa ggaaggcacc 300
cctggaatct tnccagaaga cggccatctg ggaaggacca gaatttgagg gcgngccnat 360
ttcgggnctt g 371

<210> 2722
<211> 472

2147

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
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<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 2722
ggcacgaccn cgtccaattc ggcacagtng gcactttaca aggnattnnt ttcacaaaca 60
cattttnatc ctccaacaac attttntnat ggtccctgct gtggaanata gtaatgtaaa 120
atntnactna cccccatcac acattgcaag cagcactcac ttctttggaa agctgagctc 180
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2149

```
tgcatgcaac atgctgccca aganggnaag gaagcagcac tggagacctg tgtttcgtaa 240
ctaaccaaga taagggcatt tttttccaaa tgtctgtgga gggggtcaca caattttnaa 300
ctatttactg ctgtnaaccc cattttttaaa agtgtagtct gtgaagccat ctgnaatcaa 360
agttctcttg caaaatccng gccaaaatcc agacatactg aatcagaggg tcaggtccca 420
gattaggcat tttgaacaaa ctcaggttca taaagnttga aaagtttttg gg         472
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<210> 2723
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 2723
ggcacgagta atagatgctt tcaataaata tttgttagtg gaaagnagaa aggaatgant 60
gcatgataac tattggacgc aaaatctgtg ttcacaaaga ccatccaaat gcttttaaac 120
tatcaaattt cttttcctac atttggtaag ggtgtggcat tgatacccta ctgggattat 180
aaattggtaa tggttttttgg aaagcagttt ggtaatatgc atcaaaaact gttgacattt 240
```

2150

```
ttcattcacc tttggcctag taatttcatt tctgagcatc tcttctatgg gaactattcc 300
taaatattgg gaaaagcttt tatttatggc atgaagatgc tccattggag ntattattta 360
taattngggg aanttaancc cccagttgtc ttaccagggg ggggntttttt taaatt      416
```

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<210> 2724
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 2724
ggcacanctg atatcagtag ggcatgcact ttttattgaa accggaatct tttnttatta 60
tcaagagagc agtaaatgaa ttaaagcaan ccatgctttc acattaagca cttggagact 120
gtagtgtntg tctagatcat gnattacatt gtagggatta taatcggnaa atnaaggtaa 180
ataaaagtca attctgctaa acagttgatt actattccca aagggaaaag tctcatttga 240
ctntctctct ttttaaactg agttnaccag aaaggntgaa ataccaaaga aggntaaatt 300
aanatggcat tgctgggggaa a                                          321

<210> 2725
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c
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2152

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<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2725
ggcacgagga aaaaaatacg gatagtatca ccatggactt cattgcttct aactccctag 60
tagataaaaa cttggggctt ataaaaagag cacctacaca ctaataaatt tcagaatata 120
tcagattagg cattctagtt tgagaatgtg cttganttgc atttntgttt ggatgactta 180
ttaaagaaac agcactctgc cccaaccaaa ctaatttcct catgccctgc aagtgccagt 240
gtatccattc ctgctttggg ttttntctna tgtctcccaa tttcccataa tggctccttc 300
taantccttt ccagtgcatc tnagaatctt ctctttnct tttggc              346

<210> 2726
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
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2153

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<400> 2726
ggcacgaggt actggttcat agccatcatc ttccatcagt accccagaga ttcactttgt 60
ctcttatgtg ggatctgttt ccagttagat gccattattt tccttttcct tggtttactc 120
ttccacatat tggtaaagct cttccaatag cttttggnaa aggaaaaatg naaaagtnaa 180
atgttttgna atctctgtgt gtttgacaat gtctttattt tacccttata cctgattgcn 240
gttttggttg gcaaggtata gggattcttt agtggtctcc atgcccagtt ttggaagaca 300
tctgctaagc tttccagtgg ctgttgctgt gggagtctga aaaatctgtc cttnctgggn 360
ttccagggtg gactactgga aattggaagg ccattctgtt ccctncccct ttggcaaaaa 420
aanccntttt taaaccc                                                437

<210> 2727
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c
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2154

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<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c
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2155

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<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c


<400> 2727
ggcagagcag gcatctttna tttggcagtc ctacaataaa atgcagttgt natggacttt 60
tccaaccatt gctcctgagt agtgctgtgt agtgtggttc acatacccat ctaggaagtc 120
tcatgaaggc agcggctttt ggatattaaa gaatgtaaca gagttttaga gagtgccaaa 180
cccaaggcat acggactttg aattttatct gaccggcact gacatgctga gactttcaga 240
ttgggaaagc catttgtggt tactgccatg tntgtnccca aattcttccc gtttagtttt 300
naaaagnncc aaggaatnat ctttgggttt aggttaggct ttgngtncta ggngaatttt 360
gggatgggtt tnnacatttt cctggcccat aagggttttt taaaaggang gnccctttgt 420
tntcccaggn tttacacggn atttgggggg ggggtaaagc cccctggca caaaat    476


<210> 2728
<211> 384
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c


<220>
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2156

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<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<400> 2728
ggcagagggt ttctcctccc tagtttctgt gtctgtcctg ttcccactgt ccctcttgcc 60
tggtgagcta gagcacttaa gttggcataa agtgctgctg caaaaatgtt aggggtataa 120
caatttgtga ntatgaaagc tcgcattaat cttccagtgt gtccatctaa gtaaattttt 180
gtggttgcat ttntgcttgg gctgcaaaat aaagctgatt ttnatttcca ggnngtacct 240
tttctccctn tncaagttta ttatnnttgn gttttgcatt ntgtgtttaa gaaacaacca 300
accatttnga cncatgtaac tttnctttgc ctcccccagt tttttgggtc tttggcaacc 360
cttgtggnnc atgtgggcct tgat                                        384

<210> 2729
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 2729
ggggcgaggg agcacatggc aagggaatga caggccaagg tggggcccag aggctgntta 60
aggaggcaca gactccctgg tgggaggctg gggccatgag acccgtnctg cactcaggaa 120
gccacattgc aggcagactt ttttagatga ggaagcactg cccagagtgc ctcgtttccn 180
ttttttgtt ggaattggaa atgaatgctt cccatcantc gcaagcttct gtacgttcac 240
tgtgncttga cattgtggac ttctaaacat tatttntccg tgnagcgaat cctttcaagc 300
ctggtaaggg gacttnacag cttgtn                                     326

<210> 2730
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
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2160

<223> n equals a,t,g, or c

<400> 2730
ggcacgagca gttttagatt tnatcagttg gtctattttg ggatttgaag attaagctgt 60
aattcctcta cctctcctct aagcgcatac cttcctctct nattttcaca gtagagtgca 120
gttacatcac actttctggt taagttagca ttcaatattt atactatttt nactctgtaa 180
atactattca caactggaat gtgtggtatc tgtaattata ttnccttttt nggtccaatt 240
ttnggcttga gttttttgga attaataata ctgccttatt atttnatttg tntgagtggg 300
tctatatagc agaagactgc ttattatagt ngtattttna aacttcccag aacagaatga 360
catgnnttta cactccaggc tgtcc   385

<210> 2731
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

2161

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<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2731
ggcacgagag actgtctcct ccctccccgc ctgnaatgaa ccctgtnaag ggagacaggc 60
caggaagtcc cagaaatatt tattcttgtn actctcacaa aatggaaaag ggtctcaatt 120
tttgtttctt taaggaactt gtgttctgcg tctgtgtcta cactgcctcc tctcaccaac 180
caaattgtct agcccccctc cagttacgct agaactctgc tttatcttca aggaagaaag 240
ggagtnggga gaagttacct ctnaaaccct ccagcatggc catcaatttt tttggaataa 300
tttgggaggg tcaacatgct tttgggaaaa gtgttttgga aaacggtttt ggggggggttg 360
aaaaggaaat nttttgcctn aantggncct ttaacttcac gggngtgacc cattcaa    417

<210> 2732
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2162

<220>
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<400> 2732
ggcacgagcg gcacgaggca aaactctgtc tcaaaaagaa atgaaagggt tacctgttgt 60
taaatgatga caancagtat tcatgaacat ttggtttata caagatttac ctttatactt 120
aaccaaaata cttcttgatg taattattat gtcggtaaaa tttaattagg aaatttttta 180
aattccaaga aaatattttc ctgtagctta agccattata tttggttcag tgcttataaa 240
agcaaaagaa taatttgtca ttcatttttt aaantagtgt tttttccaaa tttgancant 300
aataccaaca tttcatccaa tgggttaccc cnctctgctg ggn 343

<210> 2733
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 2733
ggcacgagca ccgcgcctag ccagttttat tacactgctg tagtcagtgc ctacaaattt 60
tnctcatcct gccctttttg gccaacatta gctttaatca ttatcctaaa accaggaagc 120
tcaatctacc atgctttcat ccttgaaata aatttgggaa gtgacactca ggtcagaata 180
atttatggtg gatggagaca ggtgagcagc aatggaactg tcaaggggga ggattttttcc 240
actaccctct ggaggggtta gtggagccct gttgtatgaa aggaactttt aaaaccatgt 300
gtgtctctca aagggggatac ggctggataa ctagtggnta ggcagatcgt ccattaaaga 360
tgggatatta gatgtctaaa attttaattc ctaccagtaa accctgtgat gatggggtat 420
tattaattcc ccattttttac aggccattta attgaagggc tcaggaaagg ggttagtngg 480
cttttttntt ccaaag 496

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<210> 2734
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 2734
ggcanaggna gaccagaccc atcagaantc cagacgacag ccaagcatgg ccaagaaagg 60
aagtgctctc aggcctatgc aacagcctgg tgggatctca cagtgggatc ctcctcaaga 120
cctcatttgc ccctgcctac aaccacaaag aattcaaggc agttcctacc aggaaacaat 180
gtgagatccc agagtcctga gactgggatg gggttcttgg aaagtggtct ggactgcctc 240
```

2164

```
ttgtggaaga ccctgcccag agcccctgng tgtgaagcac aagcagacca ggacccaagc 300
aattggntcc catgnaaact tttggngccc cnattggtta agatttt              347
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<210> 2735
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)

<223> n equals a,t,g, or c

<400> 2735
ggcacgagct tggcctgtca gctgtncatc tgtaattcan cctgcnttat tcataatgta 60
actgaagctt gggggtgggg aggtaagaat agaaaaaacg gattcatgtt acagtgtggc 120
aggtgcagga gatggaaant ggcccagttc attgagaccc ttctggcctt cccatactat 180
ttgaggaagg aagagcagtt catgtgaaaa attgaacaac aaacctgtct tccagacttt 240
ctcaaacata ccaaatctta tggggtgtgt gccatttctg gcatgcaggg aattctggat 300
atgccaggtg tgtttggctg cttgactcca cttgaaaggg gaaatgggct ctgcntttgt 360
actgtgggca gttgggcaaa ggactttgac ctctgtgttc caattttggg acagggaaaa 420
gtgccagtct caacatgcag gttnctnggc ataaaccagc gggttggtag ggaaaataac 480
cncagtttnt gtttagacac t   501

<210> 2736
<211> 75
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 2736
ggcacgagct gccatctaaa atttcatttg aaataagtat tctnctgctt tcaaaaaaaa 60
aaaannnttt tnaaa   75

<210> 2737
<211> 86
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 2737
cggcagagcc acaatgaaca gtncacttaa tnccctgggt tttccaataa acagtttnaa 60
ggatataant nggtttaaaa aataat                                      86

<210> 2738
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (42)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<400> 2738
agaggggncg catccatggt taatncacac ccnctgtcta tnaacttttg gaatcn       56


<210> 2739
<211> 470
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2739
ggcagagcgg cacgagcagg aatattgctg tcagtcctga gaggtggcat ttactggcag 60
atagacctca gacaagtaat tttactcctg taagcctgaa tttntttata gtaccctaac 120
tcataagatt ggtgagatgt ttacaaataa cctaagagaa gtttcctggg caaagcctga 180
cttacaggtg caaggtaaca tgaaattact gcactgagac agatttagtt ctgagtatgt 240
ttatgccact tagcctattt ttgtatataa attgtacaga atactttatc aaacaagaat 300
agagtataca ttcttctcaa gctcatacag aacatttcac caggttngnc cacattctgg 360
gncctaggtt acaccttaac caattttaaa ccggttaaaa gcttncaaag tttgttctca 420
gnccncatgn tatttaacct aaaattcacc accnggaggt taccccgttt         470

<210> 2740
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c
```

2169

```
<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c


<400> 2740
ggcacgagca gctgtctaag aggttggaaa atnaactact caagatagtc acgaaaatac 60
tgaantttga ttttcctttc catatttgaa ttaatttttc ctgtttgact ggaaggggtt 120
tttgtataac taaaacctca gcgcataaag gagatttaaa aggagcacat gatttagtgg 180
gtgggccatg aaactagaga tgggatttgg gggtgaattt gtcaatatct ggattttaat 240
ccagacatct ctgctaacaa gcctttggta agtcacttca gatacttttn cctccttttt 300
acaaagagag ggctggctta gttatttgcc caagnccctt tccaggctgn attnccacaa 360
gtacggttta ctgtantgtc ttatcancct ttcaag                       396


<210> 2741
<211> 406
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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2170

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<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 2741
aacatacgct gtagttttgg tatagtttag gcttactgag ccactttnat nagtcctggg 60
aattgatggg aacactccta aaatcttaaa tnctcaaaca cctgagaaac aagggccaac 120
cttgtaaagc aggcctccaa ggagagcagt caagcctcct atgttaactc ttctgtatga 180
ctatatataa tagaaagtga atgatgttga aagtccatta agattttatcc ttgtnttgaa 240
acctccatat ctagaagtgg aaacatgaca ggggnatttt gacgtaataa aagggaaaac 300
tattgaggtg atactgatac ggntatatat tgcatctgng gnaacagggg gngttttccg 360
ttaagattac ctggcaaccg ttttttgggc nttatggtcc cggaac               406

<210> 2742
<211> 85
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 2742
ttcccagtcc accgtcccca tcgtgggcat tngtnctggc ctggctgtcc tagcagttgt   60
ggtgatcgga gctgtggtcg ntggc                                         85


<210> 2743
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2743
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2172

```
ggcagancgg gcacgagcnt gggggtaccc agcaaggagg ccacggtgcc tgacctcaag 60
cncaaanctn tggaccagat catggtgaca gtttaggcag ggccccaag ggagtggcan 120
ggagattgng gccct                                                135
```

<210> 2744
<211> 75
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 2744
```
ggcanagggg aagccattaa tgnactaant cgttttgacc acatatatac caagncccta 60
gncttagaga taccc                                                75
```

<210> 2745
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 2745
gggttgtttg tncatgtttn tttctccccg tttcctgcct ttccgtagat ataaagggcg 60
ttctggtgtc actaaaaatg actatagtgt ccagtgtctc tnatttccat gtgaatctac 120
aattggggac cccccctccaa aaaaggaaaa gtnaaggcag gatgagggaa aggaaagagg 180
naaaatntga ctgcataggn cccaaagggt ttcctctaat tagaan           226

<210> 2746
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
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```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<400> 2746
ggcacgaggn agaagcagga ggtcattaaa gaagaccatc gtctttgggg tttgggaatt 60
ggcacaaggc atataaccca ctgattctct gatgtntgac aggtgagtag ctcaggccaa 120
gtgaactggc ttcctcatcc atctggtctg nggctgagct gggactacag ccaagtttcc 180
acactctgtt taaataccta agagaaagag atcaccctgc acggaatgag ttgacctaag 240
aggagtgaaa gagataaaca aagggatctt tgttcctgna tttccctgga agggaagcca 300
aatggcaata ggggagatgt ngggtatgga cacatncccc agagcagcca gcangtggnc 360
acc                                                             363

<210> 2747
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 2747
cctgtcctaa tgnntttaaa ggtaggggat caaaancctg ggcttaatgt ataa          54

<210> 2748
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
```

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c


<400> 2748
aatttncctt ttaaaagcct gtggaganct agaggngaaa anctttaaaa ggtgatgctg 60
gggcagtaag tgggggatg gggagctggg ttccccggnt tcaaaggggg tgtttttaga 120
gacatgnatg ttttggncac aaagggcanc aangggt                          157


<210> 2749
<211> 344
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (152)              .
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 2749
ggcacgagca agagtgagtt ttaggtactt tacctaactt tcagagattg gagcattagt 60
ctagcagtat ttttgtaagc nagttttat ttgatgttgt ttgctattat tgctgtctgt 120
catataaggt cgnaatctaa taaaatatct gngggtaagg gaagctggga gaaccttgga 180
gtcttatata tctagtgaat atcaaatgng gantttgaga atgtcacatc aaattttgtg 240
tantaaatac attggttcat atttaaccca ttacataggt tgattttttag ggngctatgg 300
attgnaccat ttgaaatttt natnanggaa aaccatgggc cgga           344

<210> 2750
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2178

```
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 2750
ggcanagcgg cacgagcnac aacacctctt tcataaagag acttgtgtat tcagcaaaat 60
aatttgaatt taatcctgac cacttaggaa gcttgatgct tgancttgcg aactttaagg 120
gctggatatg ggagggaaaa gaagaataan cataaaaatg aatcctacag taaaaacaca 180
ggacccaaaa aatctttta tttaaaaaaa ttaaaatgtt tgtcccatta taagtttctg 240
ggcttgtntt tctttccgtg aaatataaac tttttggcca gcttttaagc agttgccagt 300
naaaatgggg gggttaaaan gggaatttgg gtttagtgcc aaagagttgg gggtttggga 360
atgggggngn ttggaagggn aa                                          382

<210> 2751
<211> 235
<212> DNA
<213> Homo sapiens
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2179

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<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c
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2180

```
<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 2751
ggcanagtag ctgcangntg aacagcagca cctactttat taccatctta ctgtcattca 60
aagaaggcag agctgaatgc nggagaaaaa ctgagtacta gcaacanttt ttgaaaccnt 120
ggnatactgt cataactgag gctagtaatt aatccctggn acttgtttgc cactgaaaat 180
ntccttgttt tgnttaccct ggttttcagc tnggnaccct ggatcacttg gaagg      235

<210> 2752
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c


<400> 2752
ggcagaggtt ttttnaacag catctgacaa gaaaattgtn tctctatggt acactcctaa 60
gagtagtgcc tttaaggaga gtcagactat cacatatctn tccccgctac ttttcccacc 120
tntccaagca ggcttcattn atgtttactt aggtttcana tccattcaca ggggcacaga 180
ctcagtcctc agtgnaatct tgaaagntta ctggttcatt attgcacact tttattagtg 240
cctgtnantc tgtttgaaga atggttttn attaaacact ccctttgggt aaatggccng 300
t                                                               301


<210> 2753
<211> 292
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (183)
```

2182

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c


<400> 2753
cagcccatca aagagagagg ctctcctagg gcgtccaggg ctggccatct ttaaacgggg 60
agctttctgg agtggctcct ctntgtagga gcagaagccc ggcctggaca cccctcggcc 120
tgggacaccc ctcgaaggag agggcgcttc cttgaagtag gtgggctccc cttggccctt 180
ccntccctat nactccatac tggggggtggg ctggaggngg ncacaggcan gctnattgta 240
aaaacctttt tattttagta aaaattatac agaagnttaa aaaaaaaaaa aa         292


<210> 2754
<211> 121
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

2183

```
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2754
cagttcctnc cgtgatnatc cctacccttt tccacatttt ctntaaatgt ggggtttttt 60
ttttgttngc ttggttttga ggggtagagg ggaanccct cncngattgc ccctttaaaa 120
a                                                                121

<210> 2755
<211> 97
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
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2184

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c


<400> 2755
ggcacaggna gagagagaac tagtctccag tttttttttt tttttttttt taaaaattgg 60
gggggantcc tggggtttna aaagggtntg gggccnt                         97


<210> 2756
<211> 195
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c
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2185

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<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<400> 2756
ggcagacctg tccccaaggn ctcttcctta ttatggcagg gagtngggat tggncctact 60
tnctttctct ggaaaggaaa gcctccaana ntccatgtcc ttgggcagct ttagaaggcg 120
ttnagaacca cgcctagcag gnagaccttg aagctcacct ttagtctatc tncagaggga 180
ttcanttccn gcaca                                                 195

<210> 2757
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c
```

2186

```
<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 2757
ggcacgaggt tttttttttt ttttttnat ttnaatnggg ntttattttn tt             52

<210> 2758
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 2758
ggcagagctc gagttttttt ttttttttt tcaaaggggn ggngaggtta ancggggttt 60
atcgttnana                                                           70

<210> 2759
<211> 392
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c


<400> 2759
ggcacgagcg gcacgagaaa ttaaggaact acaccaaaca ttcttatgaa atttcaggac 60
accaggataa tcagaaaata tcccaaagcc ttccaaagag agaaaaaaaa agtcacatac 120
aaaggatcag gaatttaaat ggcgctgaaa ttctcaaagc aaattttgaa gtccgagcac 180
agaggaagca agagcttctg aattctgagg gcaaacaatt tctaagttga ctttttctatc 240
cagctagaac ttcgtgcagt gtgaagttag aatgangtat gttcagacng tgagttcttg 300
aaaatatcac ctcccttgcc cttttttcng gcagttantt aggttgtgct ccaaccaaac 360
agggggnaaa ccagggaaat ngggcacagn aa                              392


<210> 2760
<211> 307
<212> DNA
<213> Homo sapiens


<220>
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2188

```
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2189

```
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
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2190

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<400> 2760
ggcanagcca atccaaatna tntccaggnt ttaggagcta cccaanctcn ggntatatgg 60
tgttggtttc catattttgt ntgtttnctt atttccaaan tagcctnnct tggtactaca 120
tggtaaagnt caagctnttt ttctancccg atcagggatg tanctcttcc ccgtgtcttn 180
acagtgtccc naagnaagtt ttttggcagc actctctggt agctgcaggg gtagtgaaat 240
ttggtccaga gaaggcgnga nggaaatagt ttncctgttn cctagctctc cgaggtcggg 300
ttttnct                                                          307

<210> 2761
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
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2191

```
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c


<400> 2761
ggcagagcgt tattttacta ttctaggttt aatgataaca ggttgctatg tctaagcttt 60
gatattttgc agatttctaa atgcatttta ttgcatttag aagggaattt tgtagtattg 120
agaaaatgca ngcaaaaaat gaagtagaga tacaatgtcc atttaactca gaacaaaaca 180
accttatttc cccatagttg aaatggaggg cggggaagtc aggcagtggt ttctgaaagc 240
caagaactta gtagcactgt gccattctct tgcctgatcc agtgccattc ccttcacttg 300
atatctgttt actttagagg aggcagtttt tgagaaaggn tcctaaatat ccngggccca 360
tgnccccagg ggctttggac caggcaaagg ancatantgc cctgg            405


<210> 2762
<211> 478
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (320)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c
```

2193

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 2762
atattcagca aaaatattct tcaaaaacaa atgtgaagta aacacatttt tagtcaaaca 60
aacgctgtgg naaattcctc ataagaagac ctgtactaca agatacatgt ttttacatca 120
gtacatggaa cattctcgaa gatagaccat atgataggcc acaaaacaag tctcagtaaa 180
tttaagaaaa tcaaaattat attaagtact ctatcagagc acattgggat taaaattaga 240
aaacaactct naaaaggaac ccttcaaaac cataaaatat gtgccagngn cacacatngg 300
cttcaaatta aggggttgan ggangttcta ccagccgntg gnaagcaaan annggccggg 360
gnttncaagc ccgggttctg ttaaaaccgg cttttaaccc accangttcc aangggncca 420
gncctttcct tatggttaag ggggttcctt ttaaccaggg ggggttactt ttccncgg   478

<210> 2763
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<400> 2763
ggcanagcct acttcaacta tctgaagaga ttcttcaagg tggaggatac agtggttata 60
ttagttactc tcacccttgt tattatggaa ggtaaaattc ctggatccta gatttaattt 120
taaaatagtn aatttaataa tgtctggtgg aaacctctta aaaaaaacac tttgcagcac 180
atctctggta gccctgtgct tgngaatgac ttttaggctg ccagttcaga agatggaaga 240
tattaaactg tgttgatgga gttggttttt ccagtgggac cctgttaggt tcctttttaa 300
aaaaaataat aattttttat aatgggtatg tcttcgtgag ncccctcacaa ccntgaggtt 360
tttacttgtt tgggcnganc aagggacatg aacgttttaa agnccgttcc actaacattt 420
acgggagggg gcttaaaggg ngc                                         443

<210> 2764
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
```

2195

```
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 2764
ggcagagaaa aagagtggaa tcatgtaaaa ttctcagtta anccancaan g                51

<210> 2765
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 2765
gngaaagacc tntttcctgg gnctctncct gtgtagtctc cttcaggact tattgtgctc 60
agtgaacatc cantgctggg tgcagctcca tgcaccctgt tgtntgttta catgtnt     117
```

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<210> 2766
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 2766
ggcagagcgc attcaacttt ctaaacatcc ctcagactga cccacatctt tctatccact 60
tttaacatct tgcttgaatg acttccccag gcccagccag tctcccgcct ccagctccgc 120
cccttctga actccctta tgtggtacaa tcagagagcc cttcccaaag cacaaatctg 180
ctttnactgc tttgcttcaa gccctttngt ggctcctatt tccagctgga tgaggtccaa 240
gcctgtnaac gtgctgtacg tgttacatgg cctgaccccc cgttaatttg accagccaag 300
```

```
ttttcttaca tagcgttgtg gtcttttgtt tccttcctgc ctagaantgt cctttcccnt 360
ttnattttgg ttttnagggg tgttgccaaa ttncta                          396
```

<210> 2767
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 2767
```
ggcanagnca ataagggctg ctttagaatt aggttatatg gcaaacattt tttctaaatt 60
tagtgagcta aatctcaagt tccaaggtta tgctataagt aagagaaaaa gcactttatc 120
```

2198

```
aagaaatata gtactggcaa atatacatta caaattatca ctattttgaa ttttcctact 180
gagtgtttaa catttgatga gtgaaagaga aacaggtata atcaacaatt atatggtaaa 240
tcttagtgaa gccctttttg ntatactttt caggagccag gaataggaaa ggctgcataa 300
cagactttca caagtccagg tgtttttaat ccngtgcttt tcaacaaaac tgaggcatta 360
ccncatttgg gttaacagct gttnggtctt ccggaaattn gnccggtga             409
```

<210> 2768
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

```
<400> 2768
ggcagagcca tggagctttt caagtatgaa ctttgaaata taagttaaat taattccagc 60
ttaattaact ggaacttacc attcattctg ctttgctaaa ttactacgct actgcttagt 120
ggattttnct aataccatta taaatgcttt ggaattctcc tgcccctaga aaagataaat 180
tgatctggaa tctcttatag tttgtttgtg cctgtatgtg ggaagttctg ggatgacctt 240
tggactgtat caacgtngat tataatcgag gantataaaa ttacagctga ggggggaaaa 300
gtgggttact cctggtagga tccatcttgg atggccttca gggaggacag aattcaccaa 360
attaacttng agtctagttt nagggattta ttnaggccgt ngttaggggg ggtaacn    417
```

```
<210> 2769
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c


<400> 2769
ggcagaggct aaccctcagc aattctgatt tttgccatgn caaaaatata aatttttagg 60
```

2200

```
tgaaatctct tcattttttc aattagcaat aattcaaaaa attaaaaatt ctctgcaggt 120
caaacaaaac atatctgtga attaaatgtt gaagtcattc atttgaaacc tctgcttggc 180
ntgtttttct ccactgagtt tagccagctg agcagggttg gcacatacca taagggtngg 240
aaaagggttg ttccaagagg tccngttggn gttggggtcc ngccntaggc tt         292
```

```
<210> 2770
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
```

2201

```
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c


<400> 2770
ggcanagcca ttagtggagt attaagccgt accctaagat tataaactgc angatgtgca 60
aagttggcta agggctggtg tatttggcag ggctctatac ttatacattg tcactttttt 120
ttttttgggg ncagngnaag cccccatntn ttntangaaa aaaagccagg aaggaaagga 180
aangaaaang aaanttttt cccacatctg gctctgttaa gctgngagag attgggcccc 240
cccgtttttt tcccanagcc t                                       261


<210> 2771
<211> 362
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c
```

2202

```
<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 2771
cagtngngta nttcaangaa gatngtntcc taancacaaa gantgngcat ganggccagg 60
```

2204

```
taggccatca ttnccttagg nncaatnggc cntttcattg aagcagtttt aaaacaagaa 120
ggatgagtac gtatacattt tataaaatcc attctgctaa cagtgtacaa aacaaagnga 180
cctcagatta gatgcaggga gtcccattaa atggctattg gtgtaaccca gggcaaaaaa 240
ttgtggtagt ttggancaga attatgggca gtagatttgg agagactggn ntagagttgg 300
ggaggaccag aaagtaaaat ggncagnaat atctttaaat ttactgnaaa tttacttggg 360
tt                                                               362
```

```
<210> 2772
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 2772
ggcacgagcc taaacaagac tcttccatca aaagattcca tatatcccat ttatccagct 60
gactcccttg ttgtgagccc agatctacca ttgcaattct ctgattatag tttggattcc 120
taggctctct atggaagaaa aatggtctct ggtgattgtg tacttcacta taaattgtga 180
agttaagtgt tacggtttat acatcagtnt ctgttacatt gattaatgtg agtctactac 240
tacagatgca ttgcattgga aaagccaggg gatctggaat ccataggaca gggagccaaa 300
atatagnnca ggttatattt gtgcaaggta atggccattg ntatggttcn tcttagattt 360
gtttttgcan tcct                                                  374
```

2205

```
<210> 2773
<211> 121
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<400> 2773
ccanttcttt ggaacgagga ggtccccccg gaccgaggct naacaaggna agcccctggn 60
gctncctgta aataagaatg tggttggcaa gatgcaaact gtgggatgga tccatcacct 120
n                                                                   121

<210> 2774
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2207

```
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 2774
ggcacnggga aaantaaggc acacataaaa ncaatagatg ntacacacag aattttaagc 60
agcanattta tcttactaat tatgtattgc agaggccact attntaaagt ctttnantcc 120
tctcacacac acacctacta actatagaga caggtaacct agnaagcctg ctnaaagggt 180
atagtgaagc cacctgggct gttttnaaaa ccattcacaa acaatatgga atgtttgtgt 240
ctgacaatcg gttgggntac cccttgaccc ngtggaaccc tgccagtgct ttgggttccc 300
cgtgaaagca ggctcagngg aaggaattnt actttncaga agtttatt          348

<210> 2775
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c
```

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<400> 2775
ggcagagtac tctttttcct tagccatagt ggaatggttg tncataggca ttccctggcc 60
cagccttacc tgcttaggat gctggactaa aagaggcagg ttttgcacca agaaagaagg 120
ctgttgagaa gaggggaatt gtcgcagatt ttattgtctt tttacttaac agatatcttc 180
tctccatatt tnccctccaa tttaaataac atttattgga cacttcttac aaggttcact 240
tagactaacg ttttttaaat accgagggag aaaaatgtgt tccatgctca agcgtaggag 300
ttggtagggn ttgttttaaa atgaaggctc gttatgtggg tgggatntaa taagggacct 360
tacaccggtg gtacttgggc atcatttaan gngacctttt ttnatgaggg cttttgaggc 420
aattttnatg tgaaagggcc cattttttnc ccccaggg   458

<210> 2776
<211> 162
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<400> 2776
cctcccgttt antatcanga ctagacgaac ttaagcggan aactccncag atgcgcatag 60
gccactttta gccatgtaaa cttangatta agttcacaag tncaactttt gnttttaccn 120
gtccagtatc tctttaggac acaaagcagt gntggagtta at             162

<210> 2777
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
```

2210

```
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
```

2211

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<400> 2777
ggcagagcct gcctggccac acctgcttgc ncatggcntt ggttgcccag ctgaggcact 60
tgcngncagc tactggcata gctctttttnt nagaatatcc atcctcacag agagcttctg 120
taggagttgt gaactgaatt acaactcaaa actctggaaa taaatgcaaa atgcaactga 180
aggattctga aaaagtnaag caacagcagg tcagattggg tagggaagtc aaaatttgaa 240
gaccaacagg tatggctgan tttanctgtt ttgtatccac ctttcttaaa cctccngggn 300
tttttaactt ttttangggt ttagttcccc ggg   333

<210> 2778
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>

2212

```
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c


<400> 2778
ntggcgtnct tttctcaggt aatggaagtg ggcagagaat nancctttcc ctaggctcca 60
gtgtgtaaga nttaaagaaa gaggaaagaa acacaatggc ttgatggtcg aggacaggtt 120
tattntaaag aaaacaaacc caagantggc ttctggctga nttagatcag aggcatgccc 180
tcttacagac taagagtttt tnaaggattc agggtgggag antttatcag aggcttggac 240
ctgnttctnt g                                                     251


<210> 2779
<211> 63
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c
```

2213

```
<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 2779
tagaagcccg aaaggngcct ttaaaaagcc tttttaaatc cacagggcaa gaagggnctn 60
taa                                                                63

<210> 2780
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2214

```
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
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<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 2780
gagccactgt acccagcctc ctttgtttct ttttaaatgt naggtatcaa agcccaacca 60
acccttctcc actgcctcaa taattaagag cacagaaaca gatgtcctga gtttgaatat 120
gaaccatgac atctttagct atttnntctt tgatatgaat tcccatacct ataagaatag 180
tgtttacctc aagggatttt atgagaatta ttttaggttt aattttattg atgaggcctt 240
tacaagaaaa gaaactcttt tgtatttggc tgatgtttcg gttcagttta gaattcagca 300
gaattttctt taattttgtn aaagtncaat acgtattagt gttaangctt ggtacgtgta 360
ttaccccata tggtnntagt ttaggactta cataacagtn tactggcatt tatataagtg 420
tgaagcagct tacatgatca ggttattaat tggggagtcc ancatnattg tccaataggg 480
aaaagncatc gnaaa                                                  495

<210> 2781
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2215

<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 2781
agggtgcaaa ggccccgagg aagganttgc ttgattttt caaacaatag ccaggaggcc 60
aggtggctnc agtnagtnaa ggagaggaga tnttgaaggg aataacgggg cggg   114

<210> 2782
<211> 398
<212> DNA
<213> Homo sapiens

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

2216

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<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
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<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c
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<220>
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<222> (241)
<223> n equals a,t,g, or c

<220>
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<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
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2218

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<221> misc feature
<222> (392)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c


<400> 2782
ttgcaggctg tccnacctgg cctgcaagcn tacaagcagg cncgttttana tgaagctgca 60
gaggagtngg ggggctgctc caccccagc caagggctct ntcgnnncca agnaggccga 120
ggntggggnt gcnacggcag ggcccagccg ggaacagctc aaggttgacc tggatgattt 180
ggtggccgct nagtgtttgt actgtgggga gctnatgatc cgctctatcg accggccgtt 240
natcgacccc aagcgntacg aggtnggagn agctcatttg gntgtaggag ggtnttnacc 300
ttttaatggg gggtgggcaa tggggagcat ggattaaaac ccattgaaaa aggctgcctn 360
ctaagttctt actcaataaa cttgcaantt nncacacn                       398


<210> 2783
<211> 112
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c


<400> 2783
gcggcacgag ggggggcccg gtacccaatt cgncctatan tgagtcntat tacaattcac 60
tggccgtcgt tttacaacgt cntgactggg aaaacccagg ggtcgcctna ca       112
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<210> 2784
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c
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2220

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<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
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2221

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<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2222

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<222> (406)
<223> n equals a,t,g, or c

<400> 2784
gtcgtggccc acaggaaaag atcctacagg gaatggatcc tgatgatatt tggcagctgt 60
cctccaaatc ttaaaaaggt ttgaatgaan aaattacacc tttgaaagct gaccttccat 120
cnagttgggg aaaaacaaaa gcaagcaagc ngggaaagcc cgaanttccc caaaagttcc 180
cattggcnta aatttttttt tgaaccacna gttggggaaa nccngggttc attnggantg 240
ccntnttnaa ccctgnaaaa nttttccnng gnttccnatt gaanaagttc ttttggccct 300
ttaaaaaaan gaaaaaaatt tanaatttna nccccanttt cctnaaaaaa ttttnccccn 360
ccctttcncc cccctgggaa atctttggtt taaaatttaa tttggncttt tggggggggt 420
ttggggggaa aaaatttt 438

<210> 2785
<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 2785
gcggcncgag cggcacnagg gggggcccgg tacccanttc gccctataat gantcgtatt 60
acaattcact gg 72

<210> 2786
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c
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2223

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<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c


<400> 2786
gcctctattc ccgctctttg cttaatgcat cctancaggg gttgggaaca tggtggtggg 60
tatggctgga gctcacacca cgaagctctt ggggcctgat ccttctggtg acacttcact 120
tgtcccattg gttaacatct gggtgggtct attacttact gtgatgactg ctgtctcagt 180
gggcatggtg ttgatccacg gggttactgt gataaccacc atggatacat nttggtggcc 240
cactgggtac tgtnaggact ggctacattn aatggatgtt attggctaat ccactgcatg 300
gtttgatggc caccatctcc gttgggccct ttgggttttn atgggtgaat agcatttcan 360
ttnacatctt ccttttggcc cccccccaat aaggtngctg ttgcccactt ccntttt    417


<210> 2787
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2224

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<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2225

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<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 2787
gtgattttgg aatcagaaca caagcaccat actgaaggac tagcagccaa ataactgcct 60
agggatactg atggttgtga anactgtttc aaatgattgg atctttggaa agcttcagcg 120
tgccttagtt tctaggatca gaattanttt tcctctcact tgggccttgc agctaaatgg 180
agaaatgttt caatttcttt gaatacttgg cacatttcaa taatcctttt cccgagttat 240
aaccactcna ggggggagca aatttgggat gggatttacg actttcacan ggcattgtga 300
gggaaaganc attttttccca aaggcntgtt ttttgaatta cccctnggg gtgaatanaa 360
caattgnaac ccctcccac actttacctt ttgaacaatt ttcacaattg cacctggtta 420
cttccataat ttcccccctc ccaaaattcc gtttccntat ccnggnttnc nggccccatc 480
cccggggggaa atcctaaagg aaaaataa                                     508

<210> 2788
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 2788
gcggcnngat gtgaactgcc tcaagagtgg gtgggctgaa gatctnggat ctnctcacgc 60
tatttggaac acngacnatc ctanccttgc cntagttgga ctatttttat nctttcatac 120
ctccccccgc cctcttggca cttcggcaaa actg                           154

<210> 2789
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 2789
tcgatttccc tccacnagtg ggaganatnn cgggagctcc acagaggtgg ngcgttcgnt 60
ctagnactag ggacatcccc ngggtgtgac gcgaatatc                     99

<210> 2790
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c
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2228

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<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c


<400> 2790
gcggcacgag ggcacgaggg ggggcccggt acccaattcg ccctatagtg agtcgtatta 60
caattcactg gccgtcgttt tacaacgtcg tgactgggaa acccaaaagn nngngn    116


<210> 2791
<211> 117
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (101)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c


<400> 2791
gcggcacnat ggcacgacgg ggggcccggt acccaattcg ccctanagtg antcgtatta 60
caattcactg gccgtcgttn tacaacgtcg tgactgggat nacccanttc ttccctc    117


<210> 2792
<211> 418
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c
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<400> 2792
gctgtctcct gtattccatt tcttgctctt tcttggtcca ttccctcatt tttgtggtgt 60
taactccctg atagtttcct gagaaagctt gcatgagtgg taaatgtttt agactttgca 120
tatctgaaaa tgtctttatg tttccctcat acttgattag taatttgagt aaagaatctg 180
gttggaaata attttttctat agaattgtac tttgcctcca ttttacttca ctttcccatt 240
tccagtgttt tgctgtttgg gtaaaactga ttccattcca atttcctaat cccttggnca 300
naactgcttt tacccctgaa aaaactttca aggtntcctt cccccttat ncctgggaat 360
tccctgaaaa tttccctnat aatcctgccc ttggatgggt ttttcctttt tncntgcc  418


<210> 2793
<211> 217
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
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2231

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<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 2793
gtcagctntt tattgaattc ttaatatatg ctaggcatgg tgcttcnttg cttctactac 60
atcttctngt ttgatcctta tagcaacctt gtangaaatt tggntgccan agattttaag 120
tgacttcngc gttacacagt tactaaattg ccaagctcgg anttctctgg gacagggaaa 180
tctggangaa aacccntaac ttggattctg aatatcn                           217

<210> 2794
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
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2232

```
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 2794
gggaaagcta atgcttctga aaaattgggt gtggtaagag aattcatttt ctttcattgt 60
cataaagctg atttctaatt ttattagata ttacattatg aaaatttact tttaggtatt 120
tttgggtatt ttgattaaat tgacatagct gtgataaaaa aagcaataaa tggacaagtt 180
gtattgataa ttatttgctt catnctgatc tatnattgtn aacctgtaca tncaattnac 240


<210> 2795
<211> 437
<212> DNA
<213> Homo sapiens

<220>
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<222> (367)
<223> n equals a,t,g, or c


<220>
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<222> (384)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c


<400> 2795
gaatagccag tagttattaa ccactgtctg tttcaaatga aggaagcaca actcagtcag 60
gtagcactgg aattagaggt taaaacatcc ttgggatcgt tgggactctg tcttctgtgt 120
ttctcaagcc tgcttggttt cccttttgctt cattctcagt ggtgaatact tgttctctaa 180
gtggtggcaa gatgggctcc agcagctact ggtgtccatg ctccttcaag cttgtgaacc 240
agaatccctc catcaccaca tttccagtct cttggtggga ctggatttgg actgttttat 300
```

2233

atgtgtgtct gctcttgcac caatcctgta tgggtgccat gatatttcat gcaagtctgg 360
gtctgtnttc cattttccat gaanccccc tnnggaatga atttatttt tacaaattcn 420
caaattcct ggctcna   437

<210> 2796
<211> 415
<212> DNA
<213> Homo sapiens

<220>
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<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
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<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 2796
gcttgcctcc acaaactgga acctctgaac ttcagcagtt gttcctatca gtagggttat 60

2234

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tgtgagacct aaaatgtaat tgaagttttt gcatgtgacc ctgcccttaa ttcagttgct 120
ttaaaaacgt ttgaacatag tagaaaatgt aacagtgttg ctcttagtgt ttctcatata 180
tagggaataa aagaagangt tttataatag cacttgtctc acaagattta tgagcgattt 240
gaattttaca gatctattcc taagcaaaag accttaagtc tttttttttt tnctttaaaa 300
aaaantaaca attactttcc gttctgttgt atcgtgcctt ccaaaaanat ttgcgctgcn 360
caaataatgg gttgggttna accctaaatt acncaattct ccctnctgaa ttggt     415
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<210> 2797
<211> 449
<212> DNA
<213> Homo sapiens

<220>
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<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
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<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
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<222> (81)
<223> n equals a,t,g, or c

2235

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<220>
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<222> (85)
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<220>
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<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
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<222> (99)
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<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (140)
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<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
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<222> (143)
<223> n equals a,t,g, or c

<220>
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<222> (146)
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2236

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<222> (151)
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<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
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<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2238

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<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<400> 2797
gctnaaacac accaaaagca atggggcaac atacaagcct aanacattan ggagcanana 60
ttgngggnat tcctcataat nttanaganc cttcanaana ggnaaagacc ttttcccttg 120
ggccaaccca agggccnaan annaanaagg naaaaaaaac ctttgggttc ccaaattccc 180
anngnaaagg atttggnaaa aacccaanaa aggncccaan agccgccttt aacccaacgg 240
naaaaatttg ggggggaag caaaagacaa ttttntttct tgggccaaaa attccnccaa 300
ttccttggna accaaaaaaa ggngggggctt aaaattnatt tccttaagga accttcctta 360
ccaaanaggn aaatttttaa anaaccacat attttttacc anagngaaaa aaaaaanacc 420
angcccttg gtncanaaaa aagttgngg                                    449

<210> 2798
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c
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2240

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<220>
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<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c
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2241

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 2798
gcgnctactt cccctatcat agaagagctt atcacctttc atggatcacg accctcagtn 60
aatcattntn tccttantnc tgactatcct agntcccngg ttntgccctt tgtcctgaan 120
caactcaaca accaaanact aancttaatn acgtaggcat tcttcagaac gnctccagng 180
naaaattagn aaaaccggtc ctgaaactta ttccntggcc cggccnatca atccctnagn 240
tccctgcaaa cgacccctcc nccatcgccc tnaacgacna tccctttntt accattagac 300

2242

```
aaggacggga agggtccaaa acggannccc cttccccttt tacccaatnn aagattcaga 360
tntgggggcc acccaaattg ggttancttg gaaannctta ccggaaggtt acacccgaac 420
ttaccgggcg aggacttaaa atctttc                                     447
```

```
<210> 2799
<211> 124
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c


<400> 2799
tnattnaatg accaactact gatactgatc acaatggtca ngatagattc tnatgtagtt 60
ggaaagttct anatcacttt cttatacaag catgtggaaa gtntaaggat acaatccnaa 120
tata                                                             124


<210> 2800
<211> 193
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2243

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<400> 2800
ccggntttgg ttccggnggg ggaaattttt ggggaccctt gggggaaccc gngggcccac 60
cggnttaaaa gcccttgcnt tgggggttcc caaccttggg cccgaaaaac cgggcccect 120
ttggnttant ttttnaaggg ccggcgggtn anaatttcca anggaatttc naaaaccttg 180
gnccgcaaaa gcc   193

<210> 2801
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)

2245

<223> n equals a,t,g, or c

<400> 2801
agtgtggggc aagttaacct tcctttncca aaattcnaag gccccaagcn aagttaaggg 60
ccgcccgttc cgggttaagg nttnaaaacc aagggcccca agt   103

<210> 2802
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 2802
gaccgcctcc tcccagagtc cttcagacga ttgntctggt ttccagtggn agccgaggct 60
gaaacttagt ggcttccctc ccacctttc acccaaaggt gaaatcgcga tgagatttgc 120
gaccgcgggc tcacccagtg ttagaaatct ccgtctctgc taccctggt gccttggtgc 180
tgttttctg acggtcattt agaccgtgga gggttagatg ttctctacaa aaacgagaaa 240
cctctctggt tttttaggat tgtaggaccg aaattatttt atggctcggt gggaagtagt 300
atttcttggc taatttatta ttagctttta accttcatcc acttnacctt ttaaaccttg 360
catgcctctg ctattgactg gtcttgccaa cgaaaagctt acgcattgca natacagtat 420
ttgcttctga gtggatcttg aaa   443

<210> 2803
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

2246

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<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
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<222> (104)
<223> n equals a,t,g, or c

<220>
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2247

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<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2248

```
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<400> 2803
gnaaaacatn acatttntgn tacccaancc catcccaant ttagncnttt antggtttta 60
aaccttggaa ccaaagncct tccccaattt tttaaaaaac ccanggaatt ggtttcccca 120
attcccaang naaattggna acccanaagg naaaaaaaag ngggccttgg gcccttgggt 180
ttaacccttg ggaaaaaggg tttatannag agcccaaaan aacccanaat ttaacccctt 240
gggaaaantt ggccttcctt gggttaagnc cccttaaaaa acttccccaa aaaccantcc 300
ccttccttnc ccaataattg gggaatccca ccttggggct tggggacaaa aaactggcac 360
ccaantttgg ctggccttcc aatntttatt accttccaat ttttttccact tggtgtccca 420
agggtgggta cttttggggc ttcgtttg                                    448

<210> 2804
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
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2249

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c
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2250

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<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
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<222> (265)
<223> n equals a,t,g, or c
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2251

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<222> (274)
<223> n equals a,t,g, or c

<220>
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<222> (276)
<223> n equals a,t,g, or c

<220>
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<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<400> 2804
ggnacaacct tagccaaacc atttacccaa attaaagtta tnagggcgca tnagnaanat 60
ttggaaaacc cttggggcgn canattagna ttattanggt tancccgncc aaaagngggg 120
aaaaagcatt gnaaanaaaa attttattaa anccccanag ggccaattaa aattaattan 180
ggccacaagg ggaacttnaa acccccccct taattaaccc cttttccttg gcnanttana 240
attggaaatt ttaaaacctt aagcnaaaaa attnanacct tttttggcca anaggggggaa 300
gaaagacccc aaaaaggcct ttaaagngaa ccccccccg gaaaaaaccc caggaaccgn 360
aaggcttaac cccttaaagg gaaaccaggc ctttaaaaaa aggaaggcca ccaacccccc 420
ggttccttaa ttgggttaag gccaa                                       445

<210> 2805
<211> 453
<212> DNA
<213> Homo sapiens

<220>
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<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
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2252

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
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<222> (81)
<223> n equals a,t,g, or c

<220>
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<222> (86)
<223> n equals a,t,g, or c

<220>
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<222> (94)
<223> n equals a,t,g, or c

<220>
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<222> (103)
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<220>
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<222> (111)
<223> n equals a,t,g, or c

<220>
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<222> (114)
<223> n equals a,t,g, or c

<220>
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<222> (143)
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<222> (159)
<223> n equals a,t,g, or c

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<220>
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<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
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<222> (219)
<223> n equals a,t,g, or c

<220>
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<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
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<222> (254)
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2254

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<221> misc feature
<222> (255)
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<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
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<222> (312)
<223> n equals a,t,g, or c

<220>
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<222> (317)
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<220>
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<222> (322)
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<220>
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<222> (337)
<223> n equals a,t,g, or c

<220>
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<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c
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2255

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<222> (446)
<223> n equals a,t,g, or c

<400> 2805
gcattgnccc catgtgnaag ttcacttggt gncccagccc caaggaaacn ancttggggt 60
tccttccgng gggcccccg naagcnaaaa aggnaacccc ttnccccctt nttnttgtct 120
tcccccacg gggggccttt ttntttaaag aagggnttna aattaccnaa acccccaaa 180
ccctttgaan naanaaggaa tttcccttc cccccaang nggggggggg gcccaanccc 240
ccaaatttt tggnnaaaaa aaanttcccc cctttgggna aggatttgca aattgggttt 300
ggccaaaggc cnttggnaat tnccaacaag gcaaccnttg ggggaaaggn aacccaaaaa 360
agcttggggg ggaanacccc aaggccggaa aangccccaa cccggccttt ggcctttgga 420
aaccaattgg gccttccaaa ccaatncatc ccc                               453

<210> 2806
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c
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2256

<400> 2806

gcggcacgag ggggggccct ggntacccaa ttcgccctta tcagcttgca gttcggtnat 60
ctatcatatt tncaacttgg gtcccggtnc gatnttttca ccaaaccgct ccggttgtaa 120
cttggggggga aaanacccc   139

<210> 2807
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 2807

taccaaagga ccttngncaa aaaaaggggg gctttcctta anaaaaacca anaaaatttg 60
ggaaattaag gnttttttaat ttttaaccaa ttcccgggtt cccctteccn ttg   113

<210> 2808
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2257

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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
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<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 2808
naaaaggggga cccccnttag ggaaaaaact ggagctccac cgcggtggcg gccgctctac 60
aactaactgg atcccccggg ctgcnggaan actgcacgag gnagctgagt ggtatgtgtg 120
gtcgncgtct cgcgnaaaac c                                          141

<210> 2809
<211> 75
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<400> 2809
agncgcgnag tggggctcgg gnagnaggta gtggcacgcc gctggccagg atggtgctgg 60
agagcgtggc ccgta   75

<210> 2810
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
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<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
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2260

<220>
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<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<400> 2810
gctcgtgccg aattcggcac gagnattata tcttatgaag ctgcttggna atggggtttt 60
cccctctgta acanaatnaa tttcctggat ncatcccatt atccccntta nagnaaccac 120
cgngaatttt cctgnggggg gcccagnggn aagagttaaa gnatgtctaa tcctggaaca 180
aaagnccttt ccctggggtg gttcaaaccc actttggcca atcatgtttg ggtccagatg 240
gctggggccc ctggcctggg ggttcttatt aggaaattgn agccttcctt ttgntcntgg 300
aacgnctcct tgtttggcca tcccccttt cttccaatca agcctttggt agccaagtac 360
ctgggggaac ctggcatccc tggtgggaaa aggatgggga ggnaacagna tggacatctt 420
ccaagttcaa gcttcgttaa tataacctga   450

<210> 2811
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2261

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
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2262

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
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<222> (170)
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<220>
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<222> (183)
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<220>
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<220>
<221> misc feature
<222> (197)
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<220>
<221> misc feature
<222> (207)
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<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c
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2264

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<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<400> 2811
gagcttcctg gnagttacct cagcnagana gnactaagna natttagnaa gnaaaaaaag 60
nggggaaaaa gnaaccctct ntntnccttt tccctcaagg gtttaaaang gtttggnttc 120
ccaaaaaggg ttttaaccca anggnaaatt tggncccttt cccnttnttn tttggggaaa 180
ccntttnttt aaatttnggn aaaattnggn ggggggggg gtttttttnaa atttgggntt 240
ttcccccccc caaanggntt ttaaanaaga aaaccccccc cccaaanttt tttngggggg 300
gaaaaaaaag gnttttccca aaaaaaaatt ttgggncccn aatttttttt ttaaaaaatt 360
taaaacccc ccccccctt gggaaaacct ttgggggggga aacccaaacc cccaaaccca 420
aagggcccctt ttttaaag 438

<210> 2812
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 2812
gnacacttga aagatcatta ggactancaa atataancaa gatcanggag tggtcttggg 60
ctttgaagan cacataccaa gaacatcaag agaactcnat atnaattcaa tataaaagct 120
acnattcaag gccaattatc tcttttgagt tagaaaagcc caatggagag ccactcacgc 180
aaatcaatac cctttccttc tctcagttgg gagccagaca tctctaacta tcctctgaat 240
taaactggat ttttnaaatg tttttctgtc cctnaactct ttggatcctg aagtcatcct 300
ttctttgttc catcaatctn gctccataat accattactc caacttgntt gaacanttat 360

2266

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tgggcatatg                                           370

<210> 2813
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 2813
ggttttttttt tttttttttg natttgaaaa atgcaatatt ttccccngnt ttnt         54

<210> 2814
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
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2267

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<221> misc feature
<222> (41)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c


<400> 2814
tgctcgtagc tnccctctat taanggaaca aatgcnggct nctccaccga aagtggcggc 60
cgttctagaa ctagtggatc ccccgggctg cagganttc                        99


<210> 2815
<211> 545
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (419)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 2815
gctcctctag gctgaaatta cctggagaag catcacagca ggtactctct gttccaggaa 60
acagaaggta gcccagattg tttgagaact gctgacatcc acagatcctc acagttaggt 120
taaaaattgt tgaaaaggca ctacttggag aatgtgctgt gtttctgctg catgtgtgat 180
cagaangcag ctgcagctta tgaaccagaa aaatagggtt agtggctaag taaaaggtgt 240
gtggagcaac cacaaaatga ttcagggtta tacttctccc aaaggacggt aaaattaaat 300
cgagaacaaa atcaaatcnn naagaanaaa naagtatctc cagtacatat tgtgggatca 360
cagctacaaa agcattagat ggtaaaatta tcctttcctg cttttgtgt tttaagatnt 420
ctccccgttc caatgtttntt ggcctgggca cnggaattat acncctacaa ttacanctga 480
aaaattctgg ttatcactca tggncttgac atgcaaancc tccttttcac atattgantg 540
ctaat   545

<210> 2816
<211> 118

2269

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 2816
angctcgnta natcccctat tataaaggga acaaangcgg gccnctccac cgaaagtggc 60
ggccgttcta gaactagtgg atcccccggg ctgcaggaat tcgncacgag tntnattc   118

<210> 2817
<211> 351
<212> DNA
<213> Homo sapiens
```

2270

```
<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 2817
gccagatttg gtcccaaagg atacgactgt tagcaaaaac caaatttacc tgctaaagga 60
tgagctattt aaaaggaatg tgtcacttgc tgtgtaactg cattccaaca aggagttaca 120
taaatgtttt gagacagcag catctttgga gtaagtgcca agcctccaga ggaaccctgg 180
taaagggaag cagtggtctc atttggatat gcaggttctt gcatttttgt tataaaatct 240
actctccttt gaagttacct cttgtattgt aatctctata ntaatccatt ctgtatttca 300
gacataaatt ctcttttct gggccatcct tcctatctgt gttcacaaat c          351


<210> 2818
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2271

```
<222> (130)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c


<400> 2818
tgcgcgttng cgtnnctcct taccaaagga acaaattcgg ctcctccacc gaaagtggcg 60
gccnttctag aactagtgga tcccccgggc tgcaggagtt ccccacgagc agcaaaacaa 120
cnacnaaggn tctgtntttg cagaggggtc tatcatgctt ttaagaaata agaagagtac 180
cgganagaaa ttcatnatng acattagagt attttggatn tcnttaaact ttgtccat   238


<210> 2819
<211> 113
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

2272

```
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 2819
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga ancccaaacn nnn       113

<210> 2820
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 2820
nttccccacc aacagaagga actattaant tcaatgtttg ggaaacagcc cgggcaagga 60
agaaattccc gggggaatga naaaatggta ttatttccca accccatntn ccntcctaat 120
gtttgaantt ac                                                      132


<210> 2821
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2821
gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacnt cgtnactggg aaacccaaag annnat            106


<210> 2822
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<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 2822
tgntnttaac tcgtanggca aagtaactca ctggtggggc gctctaaata gtggatccgg 60
gggctgcagg attcggcacg agctcntgcc canctccgtt anatacnacc acctgcttcc 120
tccttgcnat cc   132

<210> 2823
<211> 101

2275

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 2823
gctcgtgccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgtcg 60
ttttacaacg tcgtgactgg gaaaaacccc aanngnnaat n   101

<210> 2824
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 2824
gctcgtgccg aattcggcac gaggtttttt ttttttttt tngggncttt atttgntnaa 60
ataacnctaa   70

<210> 2825
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 2825
cctattcata naccgggact tnggtgctca taactgcntg gtggacatag atctctnctg 60
tgaaaatatc tcnactttgg agtgaccagg tcatgttcct ga   102

<210> 2826
<211> 308

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<400> 2826
gctggatggt gctactgnca acagtnagtg ttcnnggtga ctgctactgc tgtgcaatgc 60
tnagcgccac atnccatggg accacgtgtc ctttaataaa catattcagn gtgcgcttat 120
ngaactcatg gcttctaaag cacaangant atgtttcaaa catagtgcta tctctnanca 180
ccatttgtta gcctccatct gctcagtggg attcctacca agctcactta tgaccggatt 240
atattnaaaa aagcttccac ctgaaactta cctganactt tctcttctct gtttataaat 300
cctaaatc                                                            308

<210> 2827
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 2827
gagtattaat actgtgctgc attagagaag cctcttccat gtgggaaagc tgcttgcaat 60
ttcagtttct tgtgtgtatg cctatgtaac tgagtgttta aaatttcttc aaaaactatc 120
aaaacagaag cacacagaag tacacctatt aggcgaggat atcgttggtc taatcatcta 180
tcctgggact ctgagaaatg agatggaagc tggtaatgan gatggaatgc aaatttgatg 240
cttttaaca tttttcacca catttcccaa acttcttgac cctacttctg tttttaatgc 300
atggcacaat cttgaaccc                                                 319

<210> 2828
<211> 113
<212> DNA
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```
<213> Homo sapiens

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 2828
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaancaaann nnc          113

<210> 2829
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c
```

2280

```
<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 2829
gcaccaccgt gcggacacca cccctgcaga atcatctgtg aaaacaaccc cangcccaga 60
catangggcc aactaagctt cgtagccctc gaaatacngg gagtgccccc tctggaccct 120
cgagcccaca gtccatccac cacanaggtg tctgctgctc atcagatagt tcctaccaag 180
aaaatgctgt gtgaacccat ctgtgtggca aaccggcacg gggaganagc tgacttccaa 240
ngacgtctac canctgtcac ttngaaacca gaactgggct ctn                 283

<210> 2830
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 2830
gggggtnttt ctancaacta gtggatcccn cgggctggat gaatgcggnc cgagttatgg 60
ganagttcct catccgcctc cttgctcgcc ggagccgcca c                      101

<210> 2831
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<400> 2831
gctggtgtgg aggcagttgg gagctgtgtt cctttggtcc ccagactccc cctgaatctg 60
ctgtctgcgc gttcattgat gtccccttgc tatgccatgt gctttcacaa gccgttgctg 120
ctgcctgcag tgcctttttt ttcattctgg agcctgacga gcttctgact gtagactctg 180
tcatttcctt caggatgcct gccccatgtc cttgcagttn ngtcttctct gtgctccctt 240
aacccttagc aaatatcact agaataggat ttgtttttta aatggcgaaa gcctacttac 300
ttaactgtat taattcagtc tttcagtata cacttattta tttttttaagc tcttataacc 360
aggggcttag agagatgttt cagtaaagaa actaggaaat tagtagttag gtcnctata 419

<210> 2832
<211> 159
```

2282

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 2832
caatttcntn ccttgtttac gtaaattttg aaagattgca tgatttcttg acanaaatcg 60
atcttgatgc tgtggaagta gtttgaggaa catcctatga nttntcttaa aatgtataaa 120
ggttgtnncc cctccatctt caaataaaaa aatgaccnc                        159

<210> 2833
<211> 130
<212> DNA
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2283

```
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 2833
tcttgtcgaa tgcncctana cttaaaggga acaaaagctg gctcctccac cgcnagtggc 60
ggntnctcta gaactagtgg atcccccggg ctgcaggaat tcgncncgag ccatcttcca 120
gtaattcgcc                                                     130

<210> 2834
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c
```

2284

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2834
gtaaatntaa tgggggggttg gatttgaatt tngtanaaan gggtttgggg gncgcncccc 60
caaaaaaatc ntttttttc tcggagttan tgggatcnc   99

<210> 2835
<211> 326
<212> DNA
<213> Homo sapiens

<220>

2285

<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<400> 2835
ggagcaccct ggtcacctgg gggttgtggt tagagtgccc tccagccaag cctgcagccc 60

2286

```
agaccgagct agactggaag gggtagaagg gcattcaggt agggacacag cctgggcaaa 120
ggggccctga nctttggcag ctgcgggaag atgagcccac ctgaaaggga agctgcattg 180
aatncagtca ngacctgggc tgtagggctc acctctanac agcatnacnc aaagggttng 240
gggggtctcc tnccggcctt aataaaaggc caaaattttc caccgttcca gaaatncggg 300
ttgccncttt aattggaaac cacccc                                     326
```

<210> 2836
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

```
<400> 2836
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aancncaaaa annn            104
```

<210> 2837
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>

```
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 2837
gttttctttt cttttctcca actgcttgat aatgccttgc cctatggttg ggcccagaag 60
cacagcaagt tctgggctc attttgagc caattcttgg tagaagggtg gggcatccca 120
gttcttaaaa ggatttccta tgcaganatt gtcattgtca tcctcaccac cagaagacca 180
gcattgatta ttttatcctc cttttttgcaa atgttccatc ttggaccaca ntgattttac 240
aaaganaact taaaaaangc ttgaaatccc aaacttcttn ntttcacaaa aactaa      296

<210> 2838
<211> 96
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 2838
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactgac cnnaaa                           96

<210> 2839
```

2288

```
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2839
ggatggatgg attttaatcc agttttcata atgatacaat gggttgattg cagcattttg 60
atgtggggaa tataaagata ttataaagga agatttattt ttaaattaca attttgaaa 120
gttataatag attctgtagt acattcaatt gtcattaacc actgggtttc ctctgtaata 180
tttgtctatc aaatgatcaa ttttcaattc agatgaatta tcaagaatac attttttaa 240
aaaacatcna aaactataaa aaataaattt cttgaaaaca ttgcatcctt gtttcntatt 300
aaaccntngg cttaataaat aaaaagtgan attggcca 338

<210> 2840
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c


<400> 2840
gttcactcac gcatacacat atttgaagaa aatactcaga tccttcctta atgaacatag 60
ttccaagtat gtcaatacta gatatcactg gccacagagt tttggaccat agtttgtaat 120
ccttaattca tgttagagta tctgagttta ttcatctgag tgaatttaga aactttactt 180
tgaagctgaa ttttcattat attcaggcgg ttgtngaatt tttttctgaa agtctaattt 240
nnttcttaat tntgaaaata ccaatagtgt cttctataaa tgcacttata aaatattgta 300
cnc                                                                303


<210> 2841
<211> 98
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c


<400> 2841
gcggcacgag gggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactgac cnnnaaaa                         98


<210> 2842
<211> 60
<212> DNA
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2290

<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 2842
gctcgagttt tttttttttt tttggggggt ccaaaatttt atnanctntt tnnaaaaaaa 60

<210> 2843
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>

2291

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<221> misc feature
<222> (314)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c


<400> 2843
gttttagtat cttgatgctc ctgtcaaaag ggaaatgagg cttttaaaaa taaagtacct 60
taattcttta ttgacttttt gccctaaatt gctaggtgtg acccagcaat cttttaggaa 120
gagattttac agtggtgctt tatttatatc aataatccag tatagttagg ctgttcattc 180
ctcataatag antacataac agaaaattgg actttcacat tttcatattt agccttccca 240
tttaatccca aaatctctgt attctcatct naaaaacgat ccccattcca attatggtnc 300
caaccccctt ggtntaaaat taaattacct ttattanttt tcttaaacat ttggaatttg 360


<210> 2844
<211> 176
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c
```

2292

```
<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<400> 2844
ncggctcgag gctggaanag gatcttgggc gccgccagtc tttaacacca attggtgtaa 60
ganttgaaga cctacttcac agtagttctg tggacaatca caatgggaan ccaaggaagg 120
gtctgtcctg tttcgggctg ctgcncgtcn tggctgtctn ctgccattca ggtcnt    176

<210> 2845
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c
```

2293

```
<400> 2845
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaccaaact tncncnccnn c          111

<210> 2846
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 2846
gggnaatctg gggttttgta aagcacgtta gttcagattt gaaatttaag ataacgtgac 60
tatcctggac agaggtgtgc cagagcagat actgcattac catattactg gtgttaacag 120
tattcacctt ncttaatggg aagcctaccg gatattttct taagttgcct ttataaagca 180
acttaatgtg atcagttctt ccgaatggtg atcagttatt ttaaatatct tctttgatnt 240
ntgccccttt ncccttntgc cccnggaaaa ca                               272
```

<210> 2847
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2847
cccccccct ttttttgggg aaaattcncc tatccgnccc ccccccctt tttntttccc 60
gnaaaaanaa aatttttaa naacccccgc cttccccna   99

<210> 2848
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

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<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c
```

2297

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<400> 2848
gcagcaactt ggaggcatac cctgtggtat aattgtgtag atgggggtcc ttgtgactgc 60
caaacgcctg agatctgtcc ccactccagt gantttccca gggcgagggc gcctgtcaag 120
gcgagaaaga aaagcangcn atggtganaa agttatgaga ggtangaaag aagatactga 180
aacactgaag gtggaacccg tttggacaca gtnnaaggaa agcctcagaa ttagcatgan 240

```
ggaaaaggaa aagaaacgaa tttccagaat tgttttgcat tnccttttgg ttaaggcncc 300
agggaatngc cattgaaaaa cccccctna aaaaantnc tttaaaaagg gcnccccccc 360
attccctct tgggcccccc ttttncccnc ncccntaaaa aagtttnatt ttnnttcccc 420
cgnaaaataa acctganaaa atttcccctn naacccnggg agggcccttt aaattttcca 480
atttaattt nggnnaaaat acctttttga atacccaaa acctttaaa aaaaaaaaa 540
```

<210> 2849
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<400> 2849
```
gtggagctcc aagcggaaac cgcgggagcc gagcccagct aggaatgcag acctcctgaa 60
aaccaagccg aggactgcgg ggtccggtgt ccacgcanag tgtcagcttc ctctggtgca 120
accagcaagt cttccagtat gaatcccaca gaaaccaagt ctttacacag gggaaaggaa 180
aggaatgaga aattaatttt attaatggaa accttcgctg aaaaaaacct tcactgaaaa 240
aatgttaaac acaaactgga aatatctgct taggacctta gaatgctgta aaaacagaac 300
ctganaagaa ntcacagtcc accaanctgt ctgtggttca tganaaaaaa atcccagaaa 360
ggaaagccca nagaac                                                376
```

<210> 2850

```
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 2850
gtttaaataa atgcntctnt attanatacc cccnatttaa tatataangg actgaatttt 60
tgcctattat gtgccc                                                 76

<210> 2851
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
```

2300

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c


<400> 2851
ggggggggccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgtcg 60
ttttacaacg tcgtgactgg gaaacccaaa annnntntt                          99


<210> 2852
<211> 118
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<400> 2852
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg taaaacccaa ntnntctttt nttncccc   118


<210> 2853
```

2301

<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 2853
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg ancccnaaaa   100

<210> 2854
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<400> 2854
ggaaagcgtc caactgcttc natatnaacc tgtaacatnt cctgccnagc   50

<210> 2855
<211> 132
<212> DNA
<213> Homo sapiens

2302

```
<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<400> 2855
taacctcact aaaggaacaa aactgaactt ccaccgcggt ggcngggccg tcntaaaatt 60
attggatncc ccngggctgc aaggaattcc ggaacaacca aaaatggcgg aagttcaagt 120
tctgggttgc nt                                                   132

<210> 2856
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
```

2303

```
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c


<400> 2856
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa cnttttcatt ccccctntat 120
cntccnacnc                                              .          130


<210> 2857
<211> 631
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

2304

```
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (607)
<223> n equals a,t,g, or c

<400> 2857
tcacgcgggg gcgtctanan tatggatccc ggctgcagat tcggacgagc aacaatgact 60
aatcaactaa cctcaaaaca aatgataacc atacacaaca ctaaaaggga cgaaacctga 120
```

2305

```
atctctttat tactaagtta tcccttaaa tcantttttt aatttggccc aacaaactta 180
aaaccctccc tccggggaaa tttccctggg cccttccaac ttccaatttt ttaaccaacc 240
caaaaccca accccccaaa acctttattt cttttatttt aaaaacccct ttaaagnccc 300
caattgnggg ggcccaattc ccccccccct ttttaanttt gaaaaaccgn ggggggggg 360
ccccaanttt ttgaaatttt tattttgggg gggtttttt cccggccttt ccttataaag 420
aaaattttta aaaaaaaant ttgcccccct taaagccccc ccaccttttc ctttttaaan 480
ccaaccanna nggggaaca accccttac ccccccccc ttttattccc ccccataact 540
tanttttatt taattcgaaa aaaccattta agccntactt ccatttccaa acccaattaa 600
gcccttnggg cggtaacgcc cttaaccgcc t                                631
```

<210> 2858
<211> 207
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 2858
gctcgtgccg cttttactnc ccagtctcca antgctnaca cataaacaca tncatgtctg 60
actgttgcag aactgttcga actcctaatt caatgtnacc tngnttttaa tcgcagcaac 120
cctctcccct accccttgnc cgcccacgtt tttctcactc ttccgggttg tgnaaataac 180
tctcccancc nntggtcctt tccacaa                                   207

<210> 2859
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (72)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c


<400> 2859
tcctcccctc tggccagtgg gtnggtcacc agagcactgt gctgtgggcc catcttggtc 60
tngncttctc ancggcacgg tggaaaggcc nagctcttct aaatg          105


<210> 2860
<211> 301
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (125)
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2308

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c
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2309

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<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<400> 2860
ctacntggat taaacnggac tccacgccgt ggcggncgct ctanaatagt ggatcccccg 60
ggctgcngga attcggcacg agcggaacga acaagccttt gttatgaatt ttantcatta 120
cattncaaag tgaaattttc ntncatgatt ctattggcng ttananntag aatntcagtt 180
actgtantgc tcacannggn ttcctggana acatctgccc gtatactaag tcccnnctct 240
gctgcctaga aaactgaccg ggtctcaccc ctcgtgaaaa tcttggtgnt ctacgaagtc 300
n                                                                  301

<210> 2861
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2310

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<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 2861
ggggggggcc gcttgggggg ccggggggnn ccggcatnan aattaaaaga aaaaacntta 60
aagtttgggg ggaaattctc tcccccccgg ggggggctt gggcaaaggg gggaaaantt 120
tcccggggc naaacggnaa agggngggaa aaaatccnt                        159

<210> 2862
<211> 115
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 2862
angtactggg gacacattca acattctctt tggctatcaa caccntaaa ccgncaccca 60
tnggctcagg aattaatggg gctcttncta cggctgtatg caagggcntc tcgct       115

<210> 2863
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c
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2312

```
<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<400> 2863
ntttattcga attancccct ncctggatta aaactggagc tccaccgccg tgncggccgc 60
tctanaataa tggatccccc gggctgcagg aaattcggca cgagctaagg ctcagggtct 120
cacctctcag atnaaggctc tgagttcata nanccctgnt ggatctcctg gtttttttct 180
gacan                                                             185

<210> 2864
<211> 105
<212> DNA
<213> Homo sapiens
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2313

```
<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 2864
atcactcaaa naaattacaa naattttatc ganctctatc cctaaaactg gggtaagaag  60
cccaaaaggt tcaacaccan aatatatntt attatcaacc acaat                  105


<210> 2865
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2314

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<222> (27)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c


<400> 2865
gggggggggnt nattactcna attccgngcc gngggnggan ggaaagctgg actccaccgc 60
cgtggcagcc gctctaaaac taatgnatcc cccgggctg                          99


<210> 2866
<211> 121
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<400> 2866
cgcggtggcg gncgctctan aactantgga tcccncgggc tgtatcaatt ctgcacgagc 60
caacgtgcaa cttccctacg gatcntccct taatcccggt tcatccgata ccatccnnct 120
c                                                                 121


<210> 2867
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 2867
ggtcatgaaa attattttta aagttaagtg ctgagcttat caatatgttt ttacactctt 60
ctaattacta ttactcacag atgaccaatg atnaacatta tacccttttt attaataggc 120
gacaacctgg tanagctttc agagacattc ctggggtttg agcattgggc tccatagcac 180
tgnaatacta caatatagaa cctttaacgg agctgttnaa gttctgaaac tttactttat 240
cagtaaaatt antatggtaa tgcatatctc agagttgtca tgactatgaa tgatngagta 300
tgaagtccta gaatgttgtg ggacttnccc taaatttttt cattttccct tctctcctat 360
tactaanggc atctactacc attgtgtgat naaannaaat gaaac                 405

<210> 2868
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2317

<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 2868
gatttttaag aaagacaggn aagcaaatta agtgaacctc attattgttg catctaactg 60
ccttgagaga gtttccaggc cattgcatag gggaacaggg aatcctcacg ggagcctgtt 120
ggatcccttg agttgaggga gatggagctt agagtctagg ggatataaag gtacctggga 180
atttgctggt cagagaggga gagagaggag agagctgcac agaaagcaaa ctccagagat 240
ttgcagaaga ttcctcttgg agtnttcaac atagtatgca actaatgttc ataggggcat 300
cctacctnag gtttaggggg aactataccc naaaggatag aaggaatagt gccttgcacn 360
cccataggac tgaaagaaag tgactatttc ngcccgtnca gactggaaaa aaatctncat 420
gattccct   428

<210> 2869
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)

2318

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<400> 2869
ggggggtttn attnactcta atgcccctcc tttaatggaa aaaactggac tncccgccnt 60
ggcggacgct ctagaatagt ggatcccccg ggctgcaggg aattcggcac gagcctgagc 120
tccctgtctc tcctcantgg acatcgtctg naaaccctgg ngtggcaatc cctgacgcac 180
cnccgtgatg cccaaggaan ac                                        202

<210> 2870
<211> 446
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c
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2320

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<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 2870
gattccaggg aagtggtatg tggtagcctg gcaggaatgc aattctcaga gaaganaaga 60
ccgcaaaaga gtatgccnca tctatgactg aaagaagaca gagctacaat gtccctccgt 120
cctgtttaga aaaagaatgt gactacggat cagattttgt ccagttgcca gccgngagtc 180
acctgggcac ttagattacc tgattacgat tactcctccg attgtgacac aactacacac 240
atntatgttt ctcaaaattc tcaacagatn ctcaaaccct ctcggaaaca gactatcgac 300
taagaantct cctcccattt ggctcctaaa cctcgctccn tcatcacatt tcacgtatnc 360
cgttcccgtt cccnccaaac ntaggatgga acnccctgcc ctgnttcccg gccctaggcc 420
cttttatatt cncgccaaaa aaaaac                                       446

<210> 2871
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 2871
gcttanagtc tggttgccaa acagatttgc agatcaagga ganccagagt ttcaaagaac 60
gctagtaagt ctctgagatc cttgcactag ctacatcctc aggtagagaa gatgcttcca 120
gaacatgcgg ctgctcctat tgcgagctgc ctggccaaaa cagatcctgg tgattctcat 180
gagaccactg tgccnggatg tttacacagt ccatgctatg tnctcggaac tgagacngtn 240
gatcnaccat tc                                                    252


<210> 2872
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c
```

2322

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 2872
cggnangagt cgctctactt aatgtctatg atttgttcta tganttaaga agtnngatgg 60
tcnaggagta acttgatgtg agcagtatca acctgtgtta gatatcatac tgttgn   116

<210> 2873
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2873
gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg accccnaaaa nnnn   104

<210> 2874
<211> 330

2323

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<400> 2874
ttcggcacga gttcattctg agtactgtgg cagccctggg aagtttgtac acagaggata 60
ttgtcatttt ggaaagaccc ttggctgctt agtaagaagg cttcaanagg cagaaggaca 120
```

2324

```
gactacgaag ggctgcttca gagtccaatt aagaagagag nctgggcatc aaaagaaaga 180
accggattgg tggctgtatc ttcatcccnc ntttaagcag tggagatcct gaccagattc 240
aaacacttgg cactatgaat cctctctcca aaaattaaac acagttatng ccntgtccnc 300
ttatcccaac ttgagncagc gcnaccagtc                                    330
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<210> 2875
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
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2325

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<221> misc feature
<222> (109)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<400> 2875
gccagactac gctcttccgg tanaacgctc ccggcctgac anaccatgga gctgcactgg 60
anccnttcac gtgntgttan ntgacacaat ngtctaaaac tgtctagtnt ataaacgtgc 120
aanaatgtcc cacacaacac gcgttgnatt cttttgaatc atgtncgata atggatcagt 180
atccancctg acccccnacc agaagcagta atgccagnct gattca         226


<210> 2876
<211> 382
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 2876
gttatganga accattgcac attttttct gaaacagcca gtcaagcaga nattaatctc 60
caatgcaagg ctgatctatt tatcattttg gaggtgggta ctttattctt cttcgtcacc 120
ttttcatgtt cccccggatc tattagtttt attttttaga tactccatat nacatacgtt 180
tatgctttaa tacantgctt taaaaganat ggacattgtc tgctanaatt gatttagtct 240
atanatatag aaatnatcac gggttattca aatttctana tcctgtgtcc attataagta 300
ttaagcactg tcctgctatt tatatggata cngtcccaga gtccttcagn ccttaaagan 360
tgattttnca aatttgcatn cc                                          382

<210> 2877
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c


<400> 2877
gtttanctgt gtataataaa aaaatggaaa ataatggtgg ctttgaagat cgtttctacc 60
ccaggtaaaa naaacctgga ngtaagcagc ccggggttgg catgacagct tcagggtcat 120
caagtcctgg ttttctcttg acctattctt tgtcaaacct ggagtaagtc cttgtcctca 180
gggtctaata cagctgccat gctccancta tcacattcca ngttagcaag anttgaagag 240
aagaaaaagg tatgcctttc ccttttaaag gacagtgcct gacctaacac ttctattcca 300
aaaatcactg ggcnanaacc ttaggcnttt ggccccagcc ctactgccaa ananatt    357


<210> 2878
<211> 103
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

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<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 2878
ggngggtatg atncnccttc aattaacncc taaaggacaa aacggacccc cgcgngggcc 60
gctctaacta tggaccccgg ctgcagaatt cggcacgagg ggn                   103

<210> 2879
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c
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2330

```
<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2879
gcggcacgan ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg atccccaaaa nnnn              104

<210> 2880
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2332

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<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 2880
ggggcgccgg ctccaagccc cgggatgaga atcctnggct actntatcct cnctngaagc 60
gnggctacnn nnncnngagg aagtgggggaa gggcngactt gggacctgng gtgtctgatg 120
ttnaagngtn gtgatcactg tngnacatct gtactcctga aaatgtcagg aatcaganct 180
cgtgactgta attgtcgctt cgttaccgac accngactct ctatcnagtc catctct    237

<210> 2881
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2333

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<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<400> 2881
tggggncatc gtgctnttng gaaccaggnc cctaaaanaa taaantanac tcacccggtg 60
ccgnccctct aaactattgg atccccnggg ctcaagaat                       99

<210> 2882
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 2882
gaanatcgaa aggagaaaaa aagccgagat gtagtctcta agaaagagga acgtaagcgt 60
acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120
tattcttgga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtcctttn ctcctaccaa 240
ggctattaac aat                                                   253

<210> 2883
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
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2335

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 2883
gctagtctcg agggggggcc cggtacccaa ttcgccctat agtgagtcgt attacaattc 60
actggccgtc gttttaaacg tcgtgactgg aaccnaaann nn   102

<210> 2884
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

2336

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<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<400> 2884
ggggggggng ggttgatacn cgtcaattac ccntaaagga caaacggact cacggggggg 60
cgctctagaa tatggacccc ggctgcagat tcgcagagcn ggagtagaga nancnctttn 120
ccctgagtgc catgt                                                   135

<210> 2885
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 2885
gcggcacgag ggggcccgg tacccaattc gccctatagt gagtcgtatt acaattcact 60
ggccgtcgtt ttaaacgtcg tgactggncc cnaaantnnt t                     101

<210> 2886
<211> 255
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2337

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
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2338

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c


<400> 2886
tcncccaatt ancaaaaann tcaggctgtg tnctcaggat aaccgattgg gaaacagcag  60
caccagggtg gcaaaaaccc aaactcacct cttgggattg nancacnaaa ttgcaatcaa 120
tnantttccc tgcggattac tgcntgagga atttgcatta ctgnctccnt cggggggttcc 180
ccacgctcga nactcatgtc cgtgtagacc cattctcata tatcgcgcca cgcggaaaac 240
tatatgtgnc tcnca                                                   255


<210> 2887
<211> 193
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

```
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<400> 2887
gcggcacgag ccttgccccg gagaactcng gagataactg tcacganctc ctctgcactg 60
gtccggaatc gtgaacagct gcgtctctcc ccaaaaaatc tacttgaagg tctggaaaaa 120
ttcctcccac taatacctgc tncatgaaaa aacgggttct cctcctcngc cnagcncccc 180
tcnaaaataa ttt                                                     193

<210> 2888
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2340

<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 2888
gaaaaatcaa gcggctggaa gagaaagtct ccagagtcgg antgaggtgg aatatacccg 60
ggaccaaact cacgaccact cgagcctgca aaccttcctg ggangacagc agccaatgcc 120
ctccctggga atgctcccac tgtgctgtga agaactgatt ttggttttc accactctgg 180
atcgaatatg ctcnctccca cctctcttga tncacctggg ttaactatta tactcatntt 240
tcttttgtg ctctcaacca tntcaaataa tcnaacctcc c   281

<210> 2889
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 2889
gaaaatagat attcctcatt gagtaanaat aacctgatac caccagttca actcaaatat 60
ttactgggca aatattattg cgagcgaaga aacncttacg nttatattct gaccattagg 120
cacttacana gaaaacatac aactcttnaa tatttgacna actggaagac tcatacttct 180
ggtgctaagt tgcaactgcg ccatcttttt ctagctgtcc gatccatcnt ttaattgaat 240
ttaaggtgta tgttcgatac aaacntanan tcn                              273

<210> 2890
<211> 155
<212> DNA
<213> Homo sapiens
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```
<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 2890
gctcgtgccg antcggnacg agtnttattg tccactanat gctcgtntna attgaagata 60
atagngattt tagaaaagan ttgaanggat gttgtttta caattangna agcacagaaa 120
gacacaaacc ccagacatct agctctccac gtaca   155

<210> 2891
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<400> 2891
gaaaacacta nngtgcttct ttaatatacc aaaattancc caanacttga cnaaattaag 60
catncactgg gagcttaggg aaccaatcct tttagtgccc tattaatgag gtaaatatca 120
cagcccatcc atcttaacaa agggtatnaa aatgacgatg tgcatgttnt gtgatgccac 180
aaccctatnt atnagaatnt atactaaaga aaaaat                          216

<210> 2892
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2892
ttgataccccc ntcaattaac ccctaaagga caaactggac tccccggggg ggcgctctaa 60
atatggatcc cccgggctgc agaattcggc acgacggcac gaggcaagga aaganaaaaa 120
ttataaccaa gcataatata gcaagactaa cccctatacc ttctgcataa tgaattaact 180
agaataactt gcaagagagc aaagctaaga ccccgaaacn acgagctact aagaacacta 240
aaagacacac cgtctatgtg caaatatggg aagattatag taagcacaac tacgagctgt 300
gatactggtg tcaagataat ctattcactt taattgccca aacctctaat ccctgttatt 360
tangttgtcc aagaganngt cttgacctag aaanctgtta aatnaaattg              410

<210> 2893
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<400> 2893
gggggggggg gggttgatac cccntcgant taaccccctaa aggacaaacg gacccccgcg 60
ggggccgctc taactatgga ccccgggctg cagaattcgg cacgagctca gactgggaag 120
accaggcaca atgataaaca tactggctgt tgtggtgaca atgaccaatt gagtgtgtga 180
attggaagca agtagtgcaa gagtgaatat tggctgaaat tctagctatg gctatgattg 240
acaagggaac cgatggaaat cnttgccatt antgatgacc tgatcaccna tttatgattc 300
atantcaacg ctgaactgct ctaaactcnt gatgtttaag gt                    342

<210> 2894
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2347

```
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature       .
<222> (276)
<223> n equals a,t,g, or c

<400> 2894
ntggcatcnc tgtgccatcg ttaccggttt ctggtctcta tgcgatncgt ggtctctngt 60
ctgctgatnc catctcggac tacgtgtata catcatcaac gaattgtgtt caactgctgg 120
gcttctggnc ctngactcca ctgccgggnc atgctgacga cccgggcatg ccaaagaatg 180
cactaagatc accagattac gttagctggn agtgttacat gcccaatctg ngctcagcca 240
cgaancacat gatttgtacg nctcgaaatg acacangtcc                      280

<210> 2895
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<211> 158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2349

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<222> (158)
<223> n equals a,t,g, or c

<400> 2895
nctaaagaan annactggac tccccgcggg gcgccgctct anaatatgga tccccaggct 60
gcatgaattc gcacgagcat gctcgtggtc ccaataactc tgaagcgggt ggcattccna 120
cattgganct ggattaatta ccngtgtgta tntctttn                       158

<210> 2896
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<400> 2896
ggagaatagt aatgagtttg agtgggaagg taaatgtttc actgttttta atctgatctt 60
tattaatgta ctaagggatt ttgtttgaaa tacatcattc tttctaaagt tcatatattt 120
```

2350

```
gttactaaga taggaaattg tgctaaccct tgaatattct caaggactta aaaagtgtgt 180
atagagtaca ccagtggctt ttttgccctc ttatttgccc actgctctca tgttttttc 240
atagctgttt caaaaaatat tcttgatnat tatggcatgc tcttttcag tcatcaatta 300
aaactttga aaaacatatn ttacatttgt gggaaggatt ctgaaaggag cattggggta 360
cttttantag tgcctaattg cctcttgtga atgacactta attattctt acccacttan 420
ctatnttatc agattcttct gantctatca attcc                          455
```

<210> 2897
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

2351

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<400> 2897
ggagaaaaat atatcagaat ggggcatact tagaaaaatg attaatactg cccaggaata 60
caaaaaggag tcaaaatctt ataatatgtc acttttacat atttatcata gtagtttgtt 120
ttgttttgtt ttagatgatg caaaattgag gggccttgca gcccccagta acctttctat 180
ggaatcagac tcttgaaggt catantggtg atccattcaa tttctttaa gttcatgtnt 240
ggaatggtat ttangcattt aggaaattcc cctacttgat gccagaaaat gtccaccatt 300
tttaaattna tggggnaata tttaccaggt accagaatgc ncctttggaa tttaccaant 360
ggggan                                                          366

<210> 2898
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
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2352

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<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 2898
ncggcacgag ataacactga aaaaaataac ataaccatgg ctttccttgg agtatttaaa 60
aatattcttt gtccatttac gatgacccgg aatttcacac catctgctgg acgtgaaatg 120
aaacccagaa agtgaaaggg gaagagacga cggtctgcag gcttcagggc ccagccgtgg 180
gcccaggtcc atgtggctgc tgccttccct ttccgtgctg tgcgtagcct cctcttctct 240
gaccggntac cccgcanccc cctcctcatt ttcctcccct acttttccca aggggggttct 300
ccacttttat tttgggatna acttttcctg gggggaaaat ttnggttggg gtttaccccn 360
aaaaccanaa ggcacttttc cagccattgn                                    390
```

```
<210> 2899
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
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2353

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 2899
gcttgagcct ttccctgctg gaatgccttt tcctgacaag ctgtagccct aaagtccctc 60
aaggcacaac tctgatgttg aactgcaagt ggatcatggg ataaactggg ttttacttta 120
atacataata gtatttcttc ctcagttttc ccctttccta ctctcagatt cctttgttgt 180
aggtgggccc aaanaaggac ccaccccact nttccnggna tnccaggggg aaaacccggg 240
ggtggggcag gaaaaaatag gccaaatgat tgctgangaa aatcatggaa aatccacagg 300
ataagaaggt tcctcncctt cttacttttt ggctccccnc ccattaaaac tcaaaaantt 360
cccccccccc cttaaatcct cttccncccg gggangnaaa aaaaaaattt tagtggaggg 420
aat ·   423

<210> 2900
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c
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2355

```
<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2900
aattttgaag gctctctccg caagcctctc aattggaagt ccctggctgc cttgagcana 60
atttccgtta atgtctctaa ggaacttatg ctgtgctatt tgattaaacc ctctactatg 120
actgacaagg aaatggagtc accagaaatg tttgaaaagg attaaagttc aggaggtgat 180
tctgagtcna tnggtttctt cacgagagag gagtgancca agannaatct ttaacaattc 240
nacctcgaaa tttctaattt caaccnaacc aaactatttt atttgaagag ggctanggtt 300
caaaaaagtn cctttnttag tttgttaaat ccctccccan tnaaattcca ataaagtttt 360
ttttaaaagg ggcatgngtg gctccccccca gcaacccagn aaanaactta tcccgattgt 420
ttt                                                                   423

<210> 2901
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
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2356

```
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c


<400> 2901
gttttcctgc acaaagcctt gctttagag aatgcccaat aaggcaagaa aaagcatagt 60
aacttgtgct ttgagagctc aatatttgta tcttatcagt acagaagaaa tatttctgtg 120
taacttgatc ttctgtctag tacttgtctt ataggtaacc aacactgaaa actttgtagt 180
gatgactacc aaagaaaata catagtaaaa caaccttta tttccaaatt gttaaagagc 240
cagccattgg atgctgctac atganttcca tgctcaagan ccattgttag aaattaangg 300
gtttctaagt ttttgggtga nttnt 325


<210> 2902
<211> 312
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<400> 2902
gttgttcttt aatacatgtg ttcctgttaa tattatgtcc aatcacaagt gcctgattgg 60
ctggtctana anagttggag aagaaagata caggtcttgt ttaatatcca tttcatgttc 120
agctctcaaa atattcattt aaaagaatct ggaatgtaaa agtaggtgtc tattcatacc 180
aaattcagaa ctnctccaaa attatatcca acccagtatt ttaaaattct ctgaaaaacc 240
anaaataaat atctccnatt tgaaaaaatg aacttacgat ttcanggntt ncagcattcc 300
attagaaaat ac                                                    312

<210> 2903
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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```
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
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2359

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<400> 2903
gggactgctt cgtatcaatt cccattttat actcttgtag ttggaanaat angaatcaag 60
cattgtccat cttgccaaag actgntgttt gtgattccag ttttcagtgg cttttcagca 120
tcccatcang cagaanacca catttgtctt cantactccc ctccagctgg accgttaggt 180
gtttgtttta cagtcccttc tccatacggg tttgggatgg ccctaaanca tccagttcct 240
tgaacaacat tgtgcttgac acaanaattg aacatnaana tctccttgtt gctancctgc 300
actgcatcct tgtttaccaa attntcccan ggncttnttg aacccccaaa aaagttttaa 360
aattccccc cctttanaa aaacaattt tttcccnaaa attnccccct gttnaaaaat 420
nnaanccca nttttnnggg ccccaaaaa aatccaaaaa aaaaacccc ccttnttttc 480
cccccccggc anttttttn ttaaaagggg ggaaaaaatt cttctcccca atnttctt  538

<210> 2904
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<400> 2904
gcagtaatgt agtcatgcaa ttcagatttc aattgggatc ttacaaacaa actcattgtt 60
ttgtgtttgt caaatatgaa tacatttatc aacttagtga aaaataactt gatttctgca 120
tggaaaatat ccaaggttat atatcactat tcctttactc tagagaaggt catttagttt 180
tatgtaaata tgtggcagat ctcagtttca gtgacttncg tgctccanct ttaaaagtgt 240
ttttgaatgc ttggaaggaa aatgtgatat tcanagagag caatatcttt ataagttaag 300
tttccttgaa tgaatctatg ttgattacnt tgaataaagt tgaaatgccc agttttttcc 360
ccnncnc                                                            367

<210> 2905
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 2905
gctgganttt gcnctntctc nctgtcatgg ccatgattcg cggtcaanaa gcaaa   55

<210> 2906
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 2906
gaaaaagtag ctgagatatt gatttctggc atgacagagt gaggaggttg atgaaacctc 60
ttcccaaaaa aacagctaga aagctggaag aaaactgtca aaaacatcca tttcagctcc 120
ctaaaaattg accaaatata tgcaataaat tgagacgcat ttgttcatga aaaactatta 180
nnncctgggt tangaaccag aacaatcttt gggnttcctt gcctatcatc actccctt   238

<210> 2907
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 2907
gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaacccaaaa nnnnn          105

<210> 2908
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c
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2364

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 2908
gctcgtgccg aattcggcac gagctttggc tccanacgga ttggactgcc tgttctagct 60
cttctcagaa tatgacattt tcttggtcac ttctgtaact agcgtccgac cacacatgcc 120
attctgtctt cagatncctg cagttagtgt gctttctccc tcgtttgaac cctgcagtgt 180
ttagtttctg cctctcttat gacatgtact agtgttgtgg gctctgtgtt actctgagcc 240
acattatcca gcgaataatg ttcacattta tcgctaaana aatttgcctc atgccgaaca 300
ctccctcccc tcntgccccc cgccccggtg tttcctttag aaaaggcaag ggaantggcc 360
tttactaatc cncaggnnag g   381

<210> 2909
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2365

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 2909
gattaccttc atggatattg aaatgctcaa gaattatgcc agaagtagct attagagata 60
gagccagtga cttaggatat gaaatcttca gaggatggta gaaagagaaa ggtaaatgcc 120
ataagaaatt agagtacttg tggtcattga aaccatggaa tttactccng gggngtgttt 180
atntgagaaa tccaggttnc taaaattttg aaccctaact tttcttttaa ngggga   236

<210> 2910
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 2910
ggttcattta tgantgctgt gctttaacgg tgcctatnat aatcctcana tatcacnnag 60
tca   63

<210> 2911
<211> 58
<212> DNA

2366

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<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 2911
gaactagtct cgagtttttt tttttttttt aancntngga cntggatttg attgacnt    58

<210> 2912
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 2912
atntcatatt gnttcagcag acanaatgta cttcccttaa ctttcattaa tagtgtttac 60
atctttngtc agcacagcaa acttttagaa agtaatagtt ttacttattt ttatcttctg 120
ttttctcttt gtactgcttt gtcttgcatt gtgttccaac acatgagact tactgctcac 180
tgaattttgg agtcttttag aggtaaattg tggactcagg attttttgaa acttggtgtg 240
taactctaaa tcttgtatat gcatctttgt tgcttattac atatttacac acacaaccac 300
aaattttaaa cttatgatga aaatttacaa taacctgaaa agatccagan attttttgaga 360

2368

ncatttngta cttgttattc ngtttactaa atttgangtg aaatatttaa aagaaaagga 420
cnttaggaaa tgaaatctcc ccttccaata tccttgaata antaaatgga ng   472

<210> 2913
<211> 73
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 2913
gtaaacacca taccnngcac taggcttaga ggaanaacat gtcagattgt nctgtcactg 60
gcnatgtacc cag   73

<210> 2914
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 2914
ggggaactgc tcctccagga gactgctgat tttggcngga aactgctcct ccangantct 60
cctggaggaa cagttccaac agtctcctgg aggaacaatn tcctgntg              108

<210> 2915
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
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2370

<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<400> 2915
tacgcgcttt cgaaattaac cntcactaaa nggaacaaaa gctgganctc caccgggggg 60
gggggcggtt nnaaaatnat nggntccccg gggtngaag   99

<210> 2916
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)

2371

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c


<400> 2916
gctcgtgccg aattcggcac gagtatctcc aggcattcag gcattcagag caacaggtcc 60
tctgaattac tggcctgagc tgcccaccct tcctgtgcag agattgtggt gttatggggg 120
cccttttgcac tccaagtcca gcnagatctc caaacacttg ctgcactaac tctcctgggt 180
ttangaattt aagctggccc tcatgccagt gcanaaaaac tngcggttag gggttttctc 240
aactccatgc nttnaa                                                 256


<210> 2917
<211> 576
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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2372

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<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
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2373

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<400> 2917
nctagtggat cccccgggct ncanaaatgc ggcaggaggg aaaaatatgg ataattaaat 60
aactgatnna ttctatttga ccagaaattt acttttgtaa acattataca taaaataata 120
aagcataagc acatgctaat ctgaatcatt ttcaagaaaa tgtgttaaat atattattag 180
gtcatattaa atatttattt gtttanttta taaatcatga tgtcttaaaa taacattaca 240
tatgttcaaa aaataacctg gtagaaaaaa tattcttctc tcattacata taaatttgag 300
caaatttaac attgnanttt atgttagcta gtngactctn agatcagaaa gaaaaatnaa 360
aactaagtcc tgaattttn aactatgggg aaaaattaat cttgattgtn actcacantg 420
ccaccctatc tctgttttgc tttgtctttc cctcaaatna cnagaaatgc cnggaaccca 480

2374

```
gactgcttcn cnattnggcc ngatngtttc accttccgtg gttattaatt ccnccaaaat 540
tgcaaaatcc cattctggga atnaacctnt ctgcct                              576
```

<210> 2918
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)

2375

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 2918
gattttaagc taagaatata actatatcnt cttctcagcc caaatcaggt gtatatgtgg 60
tttgacaagt attatagtat attgatgggt atattaatgc aaagaatttn nntnggaatt 120
gtcctagaaa tatataagat aaagaccgta tgtctaatat gaaccagaac atcactgatg 180
aagtagagtg aaataacntt ttatttccat acatatctgt aactgagctc tctaatattc 240
tttagtgtct gtcaattatc agagaaaaat tttagaatgg tctttatttg actcattaaa 300
atatcctatc tttgaactgt tttaaanctg tttgaattgg tccaanatct nattnattga 360
aatttcnccc tattgtccca aaaaccccccg tggtccttta acctttggtt ggaggtgaac 420
ccgttttttaa ntgacaaatg agtcttttga aggcaaaccc caccaccnaa cc          472

<210> 2919
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c
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2376

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 2919
gcggcacgag gggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa ttntngtncn ntc   113

<210> 2920
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c
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2380

```
<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<400> 2920
gccaaaggtg tctgaagacc ctgggtagcc ttccaggtca cagacatgaa cacaacctga 60
gggacttggg ggacatatca aaagaaccaa catacacatt ttataagagt cccagtaggg 120
gaaagaaaga gaaaaatgag aaanngaaat ttttgaaaaa attatgttga aattttccca 180
attcanatna aaaaacttga tcttcncncc caaaaanctt aatgaactgg ataaacnccn 240
taaaatttnc cctaaaacct nttcccnttt ttttttaaan tctccaaaat naaaaatctt 300
tttggaatat tnggggggaaa aaacnccccc ctttttgtgg nccccncaaa aaaannngggt 360
tnttttttta accacngggg ggggggnggt ntttanaacn nccccnnaa aaaaaaaaaa 420
ccnccccct ttttttaac cncccccccc aaaaaaaaaa aatttntntc cccaaancng 480
gggggttncc ccaaccccc ntttttttt tttcccccaa atttttttn c          531

<210> 2921
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c
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2381

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<400> 2921
acagaaatct cattgatcct catctctaaa gcttggttta tcttaccaag cctacctacc 60
ctctctatac cttaggaagc taccactcat gtagtcaaca aagttaaaaa aaattgtcat 120
tgtcatcagt cttctctgaa cacgtttcat tgacaaccaa gcctgtctct gattttcatc 180
tctaaagttg tcccttgaat atctctctct cttgttagtc ctatggctac tgatgatcct 240
tgccttctcc cactttgact ttgtttaaa gaaaaatttt gaaccaaata atataccagt 300
ttattttgan ccaattacat tccatgaatc cagggcacac tccnatnccc canaaatccc 360
gaaaaccncc gttccaacca ttatggggggg ggggtttca taggggaaa gttggaaggn 420
gaa                                                            423
```

```
<210> 2922
<211> 397
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c
```

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 2922
gctgaggagt tgagaagggg gcggagactt ccaggtctac ctgtccatgg taaagcactt 60
gaacattagt gtaaggacaa tgggaagcca ttggcaggtt ttatggaaga tggtgtttta 120
aatagatgtt tctggaagtg taaggtggac aatggattaa agttanacac cacactgaan 180
gcatggtgac tatttangca gctgtttagc agcagtctgg acaaggtatg atggtttctt 240
ggactaaggt taaatccagg aaaaaaatga atngattgtg ttaccttgaa caatttactt 300
ccccccctg aacctatta acttnttcc ttccngtttt ggcctacctn tcctaagaaa 360
ancccggttt ttggccccc naaatttcct gccggcc   397

<210> 2923
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2383

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<400> 2923
gcggcgcgca ccttccccgg cgcagtctct tgccagccgg cgatcacgca gagctgaacc 60
ccgcagctag gcgcgcagga agggctgcac agagtttgaa gacacggcag ctgtaagctg 120
gcgtgaggaa gccaaaggag cgcgcagact gcaagcaaag ggcggtgggg cctgggacct 180
gaattgagtg gncgaccgca gcactcaagg tgccatctgc ctggcctntg aagtgtgtcc 240
ctccaaactg aanaagctat gantcaaggg ttnggacttt atgggaaaaa aaaanaaatt 300
ttattaaaaa 310

<210> 2924
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

2384

```
<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c


<400> 2924
gggnccccccn ngtcnttgat aaactatttc caaagaacca gaatatgtcc tggtcatgga 60
cattcaagcc agtacttncc gtaataccta actatggcaa gagtgtnaga gagcaaatna 120
ttctncctaa gaacgagatn ccatgcagga agccagagt                       159


<210> 2925
<211> 256
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c


<220>
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2385

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<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<400> 2925
gagannctaa antacgaaaa gggtacnagg aanatgtgcg cgtgtgttaa tcctacgttn 60
acctcangnc nccannacna ctggnaattc tntatcttcc tacctccaat ctcgtaccca 120
aaacaaaaca aangaccttt ctctattatc tcatanaata tccaatactg tccttgtgga 180
atattcctaa attcactatg acttttaaca cacaaagggt caacattaaa gncgtataan 240
aangtactng gnaccc                                                256

<210> 2926
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2388

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<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
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```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c
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2390

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<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c


<400> 2926
ctcgtgccgc tcgtgccgan ttcggcacaa acggcacgag gaacaggtnn tnaatctntc 60
tttnntgtgn aatactnctc ccgtntgtnt atcaacctgc aagctancac gatgtttgct 120
ttngtacagg tttatatcac agaccactgt acatncttgt cttccaaggg aacttcaaga 180
tngaattact tttgatcnct cantntntat acantgtnta aaggtntana acttcaactt 240
tctcnataat attcaactct tcaatnactc tnccatcact tcctacttca atctgaattt 300
aaactaccgt aaagtctcnn aactttcctt tgaantacta ctacccaggt tcaacttttc 360
ttctttgtaa attggtaagg aataaatttt ttacgaacaa tttttcanaa gccttctttn 420
aaaggaacca atttactccn aattcttctt acncctgccn taanaaattn ccaataactn 480
cctgtcaang tttttnccct naagccaagg gacaaaaaac aatccaaaat cctgaacaga 540
aaaaaaaacn tctttttcc                                              559


<210> 2927
<211> 189
<212> DNA
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```
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 2927
gcctacttaa aaggaccaaa agttggggcc cccccgcggt aaaangacga tttttaacta 60
gtggatcccc cgggctgcag gaattcgggg ggacccccct ccctgaaaaa acagtangtg 120
tgtaaccncn aattaccaaa tggctgcntg actgtatntc aaatttaatc ccacttagcc 180
actcaggat                                                         189

<210> 2928
<211> 490
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
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```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c
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2393

```
<400> 2928
gcaattacta gctatnaata tattactttt taattgtgta tcaaaacacc caagcactga 60
gttaatatat cctgtgcaaa tatactaaac ctacttagtc tatccaaata tgtaactgga 120
tacactacgt angtttcttc tactgaggaa atttgtcttt catatggtaa ctaggtatga 180
atatttgctg ttgaagcaag cttttcccaa tcttcaagtt gaagttttaa ttagcaaaca 240
atgtttacaa catgtaggcc aagtattaga attttcttgg ggtcactcat gatttatctc 300
catgctatat gtccccaaca aatagtctcc caagaatgga acanccaagg ccattggnca 360
tgtngcaagg tgcanaaacg ggctcancat cctctgaaat ttcgctttgt gaacatatnc 420
ctaacaaact ccaatcnggc catgnttttc ccttgaaact taaaccccca cctgttgcng 480
gggggtnact                                                          490
```

```
<210> 2929
<211> 99
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c
```

```
<400> 2929
cctcttaaaa ggaaaaaant gggcccccg cggaagnggg cgcttttttaa ctagtggatc 60
ccccgggntg cagggaattc ggggngnccc cccctgcnt                          99
```

```
<210> 2930
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2930
gaacatattg ggcatttaac ttaaaaattc taagtcatgt tttctttttc cactataaga 60
ttgtactagg tgatataaag ttcatgtcac ttaaaattca acgactgtgt aagtagctct 120
ttcagctttt cattaagttc attttggaa atgtgcacat ctatgccatc attgggcagt 180
tataatttgg ggatttaaac acctggcagt gattgaccac tgtgactttg cttattccct 240
ttctctcctc agttaccgag ctgataccca gacataccag ccttatnaca aagantggga 300
ttaaagaaaa aatctacgtg ctccttccgt ccgcaggccc aacaagntgg ggaaattaat 360
tgtttttgga aacacttggg gggggtttgg ggttgggctt tnaaaaaaca agttttnttc 420
aacntnctgt tatggaaatt ttgtttcata attatcccgt ttccnctttg ttataccnta 480
ccanaatgac gtttaaataa attttagaac tgttcaaccg aaancccttn ccccctn    537

<210> 2931
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<400> 2931
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gaaccnatta tagcagcttt attttttcctt tttaagatta catttcaagt ttctgaatct 60
agtcctaaag gtaattttct catatgaatg gtacatggtg attatatcaa ctgggctgta 120
gaaaatgggc actgatttct caactgtgtt gattctagat tggtaagtga catgctccaa 180
gtatagttga ctgcatttct gatcttgctt tgttttatg ggaattaaac tcagaatagc 240
ccttcttaat aggtcttttc anaaatttgg tagaagagaa attggtgtgt taatcaacat 300
aagattttag aatgcatttc tatttcaatt ttctctccta ctaatcctgt tactgtggtt 360
aataatcaat gtgttaataa tgaatatctg ttctttactc tgttccaggg taagacaaat 420
atatatggga ctctgccttt tgaaantact ttagaaat                            458
```

```
<210> 2932
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 2932
gcggcacgaa cntnccccga gtctgtctct tgccanccgg aaatcacncn t          51

<210> 2933
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<400> 2933
gctcgtgccg aattcggcac gagcccaaat gaattgctgg acccagactg tgtgcacaga 60
tggctgaaac agtcagacct acacctagga gatgagatca ttcaggttca ccgtgaccca 120
gccgcgctgg atggatctgg atgtgctact ctcacggttg tcatgaggta atatggatag 180
gctattaaga aagccgtgac gacgcactcc cctgagacac ggtctgcttg ttttgctgca 240
tgtagtaaac agctctctca ctagatctga cagcacttgg tggtgatatt cttttccctt 300
cagactgact gaagaagatt cagaagtact acagcattaa gccttttgct gttaggatgt 360
tataatttgt gtgttttgtt gcataaagat naattttgc catgttgctg ttaaaaactt 420
ctnaagaaag gagatc                                                  436


<210> 2934
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c


<400> 2934
gcggcncgag ggaatgtttg ataccattat gaacaaatga gctaattatt ttatgtttta 60
ttgaaaantt atctgttgcc ttatgncatg ttgaaaattt tagagattag ttgaaaggga 120
atnagaatga ttaaaagttt ggaaggctga atttatgaag aaaaatntta aaaaggcaaa 180
ntctaatcat gatcttccaa taaaaangtnt gtggtttggt gggaaaggan cagttggga 239


<210> 2935
<211> 99
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c
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2399

```
<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 2935
nccctnttaa aaggacaaaa gctggncccc caccgcggna agcggccgct tttanaacta 60
gtggatcccc cgggctgcag gaaattcggg gacgncncn                        99

<210> 2936
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2400

```
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (677)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (696)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (697)
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2401

```
<223> n equals a,t,g, or c

<400> 2936
gcccaaaccc actccacctt actaccagac aaccttagcc aaaccattta cccnaataaa 60
gtataggcga nagaaattga nacctggcgc aatanatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaacccct ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgancta 240
ccttggaaca gcttaaagan cacacccctc tatgtggcag aatagtggga agatttatag 300
gttgaggcga caaacctacc gagcctggtg atagctggtt gtccaagata gaatcttagt 360
tcaactttga atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc 420
aaagangaac agctctttgg acactaggaa aaaaccttgt aganagagta aaaaatttaa 480
cacccatggt aggcctaaaa gcagccacca nttgagaaag cgttcaagct caacacccac 540
tacctnaaan atcccaaaca tattactgaa ctcctcacac cccattggga ccaatctttc 600
accctataga aaaaacttat gtttgttata agttacattg aaaaacattt ctcctcccgc 660
attaancctt gcgtccnaag ggatagggggg cncganncaa                       700

<210> 2937
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 2937
ggcgccctna ttanacggct ttccgcttct ttacaatggg gaanttcccc catccccaat 60
ttttttttct ncnaaggggc ccaacctaac agtccccttt aa                     102

<210> 2938
```

```
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (661)
<223> n equals a,t,g, or c

<400> 2938
gatcccttc actttcccct tttccatcac gaccatctcc ccaattataa actgactaat 60
```

2403

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ttcaaaacat tcaaatcact gtaaaaattg tttcctttta caattttatt tcacaggtct 120
tccaagtgta aaatattatc tcactaatag atgtattctc ataaaaattt ttacatgttt 180
gcatatacat gtacctgcat cttccaaatt aataacttga tttaaaaatt atcttcagaa 240
aatatcaaag ttcatggaaa ttaattaaat tttttgncna attgcaactt cagccctttg 300
acaaaaatat atagtaaatt cttatttagc agcagcattt aaatactaca acatttcaaa 360
aatcttcaaa gttccacctt acctgtaagg catgtggaaa cccaacttct ccagaaccag 420
acttagtggt caattatctt gaacctccaa ataagtcaac ctggaagcaa gacacaacat 480
atggaaccat ttgcagacca taccagcccc cagatacaat tatctcccac ttcaattgcc 540
ttccactgaa ggnnggtttt actaagaata aaatggttct cccttaagca ctggaaaaaa 600
acaatgtttc ctccaaaaaa aaaaaaaaac ncaanggggg gcccggtncc atncccctaa 660
nttg                                                              664
```

<210> 2939
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

2404

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<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (605)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (633)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (643)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (650)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<400> 2939
gttttagcat gatagtttgg gaaactcttg tctaataagc cagtgctttt gattcggttt 60
tctttataat ggttgaatag tttgtcatcc tatgaatatg ctgctgttta gattatcttt 120
gctttcttga tagacatttg tttccaggat tttgttcttg gaatagtagc ctttttatat 180
ctgtacacat atattactgt atatcagatt cttaaaaatg gaattaccga agcaaangct 240
atgtncantt taaattctga tatatactac taaatgtttc tcttaaaaga ctacctanaa 300
ataaatatta caaatattgg tgagctactg gaatcttaat gaaagacata aagttagatc 360
tgaattaacn aaatgaaaca atgttttttc tggattgana catccctgtt gtngaattta 420
ctaattttcc cccagtcngt gtctccaatn ttgtnttgtt naaaacttga cttttgatta 480
naaaacctac ttaataaatg attccacaaa ttttggaaaa aaaaagccgt tcnggaaact 540
tnttaaaatt ccaatccttt taaacnaccc tccttccgga acccgggaag tccaaaactc 600
tttcnttttt ggcctttatt atttttaacc ccntttttttt ncnttncggn ttntcccatt 660
tnccatttat ttattcccccc cttncccctt aaattaccct ttcccccccc ttttgggggg 719

<210> 2940
<211> 736
```

2406

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (629)
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2407

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (694)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (710)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (732)
<223> n equals a,t,g, or c

<400> 2940
gacacggcag agatcagcaa gttttgtctc aagtcagaca aggtctangt ggccttggcc 60
ttatncaaag tgggtgacat atttgattat atttcccttt acctccatag tantcaggcc 120
agcagcatgg actgcaagaa cctaagggag caacatactt anctgcaaag tgagcaaatg 180
aattgagcct aggaatatgt gatgaaaatg catggctgat gtttcctgat ctccaaggag 240
actcccattt gctgaagttt tgcatgctta gaaatccact accgcaaaaa atacangaat 300
acctttaagt tgattattgg caatcttatt catatattag caagaaaaag ggagagatgc 360
ttactggtgg atgctataca gtcctctgtt tttaaaagta ccatgagccg ctgtgcccgg 420
cccatttaat actgtttata tgctgcaaca gtgtttgaaa ctgttttacc cacattccaa 480
tgaacttgan aaagcccaaa agaaaatttg gattttagcc ancaagatta tggatgggtg 540
aaatttcctc tttagttctt taaacaagtt atctgttcat actanatttc catatctant 600
taaattacta actccatgaa tattttcana tatttccttt ataanctatt tctgctgaac 660
cntccctccc gtatgttccc tgtgacttcc aaanaaaaaa aaaactttn tttttctttt 720
ttaaaccatt cnacca 736

<210> 2941
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

2408

```
<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c


<400> 2941
gggattacag gcgtgagccg ccattcctgg ccaaaacaaa atattttaga gaaaaatttt 60
agaaacttat gagtttgaat taaaaaaatt actcttcctt ttcaaataga agcttcactt 120
tgaattttat ttttggtctt tatttcaaaa tatctaaata tatgaagcca tacttgcagt 180
anatttcgtt tggatttcgt cttactcttt tctggaattc tgaaaattag tattaaagaa 240
ttccaggtca aaagggaaaa catcttagag gttatttagt ctaattctca agggaaaaga 300
ataattctta gatggtgttc ttaaaacatt ttaacacttt cttattcgtt tgactgcaca 360
aaggagcacc tttatatttg gctgtaatac atccagttna ggcatangga ttgctctacc 420
ttcatattta ttttttaaat ttatcttggg ttaactaaat tagaaatata ctgccattcc 480
catctttgtt atcctaacgc aatccaaggg aataacctct tcagtagatc ttaaaatttt 540
agtgtcctgt caaattaacc tcttcaatta atatatgtnt taantttgaa ggcaatgaat 600
tttccttcct ccttcctgtt tttttttttt tnaaattccc nttctntc                648


<210> 2942
<211> 526
```

2409

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
```

2410

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c
```

2411

```
<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c


<400> 2942
naagggaaag catacccgta ccantatgtg gtctgaanga ccccgaccgg catggccact 60
canacacaag tccacaccac agcactaccg tcccatccgt tctcatgaat ntttaaatcg 120
aaaaagcaaa acaactactc ttaaaacttt ttttatgtct cnagtnaaat ggctgancat 180
tgcaganaac aaaaaaattc cccncttttt attttttaaa aaccatcctt ncaatttctt 240
ttggtnaccg aanctactct cttttccttt taaaatcact tctctggcct ctggtttctc 300
tctnctttct ttctggcatn antaatntaa anggcgcttt ctcncgcttt gcccattcta 360
cttncttagt naaacatgac ctntgcgtga atggaatagt ctggacccct tggtngggga 420
tgcttgggaa aaccaaggaa ggccctgaac tccccactgc ccaggagggc nttnggcngg 480
ctcccncatt ggaattaaaa ccccccccaa aaatgantcc ttaccc            526
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2412

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<213> Homo sapiens

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<220>
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<222> (216)
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<220>
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<222> (234)
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ggacatatgt ttcctaaagg gaggacctaa aataaatagg tatttttttt cttgatattc 120
tgttcatctt ggtttgtact gaaatgttta acaatttgga atgtgaaatt gctacacgta 180
ctccaaagca aatcanangt taaaagtgga cnggtnaaaa acatcattcc ggtngggcac 240
tgccctcact tttgtgctgg cggcaa                                      266

<210> 2944
<211> 659
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
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2413

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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
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<222> (370)
<223> n equals a,t,g, or c

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<222> (373)
<223> n equals a,t,g, or c

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<222> (375)
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<222> (387)
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<222> (415)
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<222> (440)
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<220>
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<220>
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<220>
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<222> (536)
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<220>
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<222> (543)
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<220>
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<220>
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<220>
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<222> (615)
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<220>
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<222> (647)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

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tgaagatctg ccctccaatt gacttttcca ggtcttgggc cccactgggg tttcacagac 120
gcctgcctga atctcaacgc tgacacaaag accattttgt ccgtgggtgg ctgtgaaatt 180
attgttgcta tttggggaca caagctgaan ggcctcctat ttcatcttgc tgctgtcatt 240
ctcgcattat tataatgtta tcattggtga tttgatgatn agtcagcttt ttttgagttt 300
tatgaattct ggcagtaaaa aanttccaaa atgtctttca ctganctnaa ttccaggttt 360
ttancaaaan ctntnttcct tctgganatt anatnagacc anaatacctt ttttnaaaaa 420
attgtttact tggtttgatn ccaatcccgg ctcctccatt atatactgtt tgaatttngg 480
tccacatacc tncccatctt ttttntccta nccttnanaa aagaattata tattantgnt 540
ccncaataaa attttgaaga attaattaat ttaaaaattn ccaacccttt tttcaattcc 600
ncaaaaccta acccncctaa acctttccgt ccacccttta aattttnccc ctngaaaac 659
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<210> 2945
<211> 438
<212> DNA
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2416

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<213> Homo sapiens

<220>
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<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
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<222> (108)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<222> (127)
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<220>
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<222> (148)
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2417

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<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
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<222> (212)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (239)
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<220>
<221> misc feature
<222> (303)
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<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c
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2418

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<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
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<222> (436)
<223> n equals a,t,g, or c

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tccctccctg ntgccanaac cagcatcctc cacttgttca ggggnttntc ttaatactna 120
acgtagnata agggcttctg nancccanaa tatganacan tttccccncc tcaagatcat 180
tcantgtttt tcctttaaaa aaatggtcaa tnaagctcct ttggcaaaat cccccnaana 240
aacaagggtt tcttttttccc atcccctacc cttctgggaa ttttttaacc ccccttttcca 300
acnacttccc ctattcctac cctggccctt ttttctagga atccttagaa gaattaaaaa 360
aagttaatat tgattcctta cnnaataaat ttnccccaa aggaaaaagg aatcctcccc 420
ttaattantt ggtttntt                                                438

<210> 2946
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
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2419

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<222> (46)
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<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (100)
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<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
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<220>
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<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
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<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
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2421

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
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<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

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gcantctcta anntcntttc ttgtnaaact cnttcacttn acttcttata acgatggaat 120
ctatttttct cgctnttnaa tnctttatcc ncttcagcnn ttgtacngtg atctncatct 180
actcttaaca anctggaaaa ctttccatat tgtgttgatc actaattatc tctcttgctt 240
attngtnacc ttaatatata tctgcagatt ttctccataa accanacntc tgggatcatt 300
tccttcccac anattctgca nccttaccct ccccatacag tccaattcat gtctcactgg 360
acccnaaact gntctctntt ctgaaccagc t   391

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<210> 2947
<211> 401
<212> DNA
<213> Homo sapiens

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<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2424

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<222> (321)
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<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

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tcntanggnc cacagactnt tctangctgg ttggaaatgg gcccaagatg atctggaaac 120
ttccattgct aataatccaa atagtttcna tctnctaagt attaaaggaa gacacttana 180
tctgatntct nattaccaac tgatctncaa aatggtcagt atttagatng tctccctttc 240
tacctgcttt tccttttaca anaaatnnag caaggaacaa gcatcatgat antgaaaatc 300
tatttcatca atatgttcat nttcaccttt catcttttcc atnacccttt ngaatatcgg 360
tgccttnaaa atctctcctt aancaaattg cagttctgtc c                       401

<210> 2948
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
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2425

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<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
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<222> (420)
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acttttaaat taacattagc tcagcttcat ctttattaac taattttgt taaagatttg 120
atgtcttcct atggtatata ctattgtcag tttatagcaa tggtagcttt gacctatgaa 180
tctcccaaaa tcaaactttg atcaaacttt aatacacgaa agttctccca aaccgttact 240
tttatantga gaagttcatt antaaatttc tgtccttaaa gtttggcttt tttattaatt 300
tgaaatgtat nctcaggata accatactaa atcattggga tntttgaaat tatntaaaaa 360
aaattatttt taacccgttt tnctcttaaa attntattaa atacggccgg gccctgtggn 420
ccat                                                                424

<210> 2949
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (257)
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<220>
<221> misc feature
<222> (275)
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<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<220>

2427

<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<400> 2949
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atcttaggaa agcctctcat gggaatggca tttccaagat tagggggtaaa gtgggacctc 120
cctgttgaaa agttgtcctg ccctctgtca gctagacatg ccataagcaa gggaaagaat 180
gactttttaat gacaggggta gaaattggga gcaagaggct gaacacatgg aacagaattt 240
tttgaagtgc cttgttnaat ggaaagtaga tgtangaaaa tttgaaatgc tggtatttca 300
gatgggccca ggcctatcac ctattattcc acctggagaa ggtagactta tattactcct 360
ccttttttcca naaacagttt gtgtgtnaaa gccctaaagg gccacattcc cttgatccct 420
tttattaacc aaattgttct ttgcaacaag gtngggtntt ggccacanaa ctcctttaaa 480
nattggaacc tggaagccgg gaagtttggc ttatttnntt tttccttttg ggctccttnc 540
cattctttat nctggatgaa ccccttctt ttatttctng gccaaaaaaa aaaaaaaacc 600
cangggggggc cggtcccctt ncccctttt tttttttaaa tccn   644

<210> 2950
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

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<220>
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<222> (126)
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<220>
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<222> (128)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c


<220>
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<222> (152)
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<220>
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<222> (164)
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<220>
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<222> (170)
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<220>
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<222> (174)
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<220>
<221> misc feature
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<220>
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<222> (190)
<223> n equals a,t,g, or c
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<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
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2430

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<222> (283)
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<220>
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<222> (297)
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<220>
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<222> (312)
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<220>
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2431

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<220>
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<222> (651)
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<222> (679)
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<220>
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<222> (691)
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ggaatgtctg gttttgcctt gattcttttt ttttttttnaa ggatatttng ctgnatttaa 120
aatttntncc taanaacttt tcctttnacc cnctttaaat ttcnccccan tgcncccgga 180
ttcccatnan tttgggtgca aattcncctt tnaatnattt tgggncccct tngtntaatt 240
nttncccccc ctnctttngg gctttttttt cctgggcctt ttnttttaaa catttttnact 300
aaaacttttt tnggtttgna nctcnnantt ttnacccnac ttgggtttgt tttnnttggt 360
tnnggttngt ttaaacncct cgganatatn nttttttttna naaaatttna aaaattttggg 420
gnccttattt cttaattcat ttttctgccc ctngnccntc ctttanaccc cttangcntt 480
tttgggtaaa ttcccnttcc ccnggtnccg ggcctttttnt tttttccntc tttcccccccc 540
ccttccccng tnttnttctt aaaatncccc aaccccaan gtttcccccc aaccncnggg 600
ntttttttcc caatttaaat tcccccccgg tcccntgggt ccccaatttt ncccctttaa 660
aaaccttccc ggaanaaant ttctttataa naaaaccctt aaaaa                705


<210> 2951
<211> 475
<212> DNA
<213> Homo sapiens


<220>
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2435

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<220>
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<222> (372)
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<220>
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<222> (407)
<223> n equals a,t,g, or c

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<222> (432)
<223> n equals a,t,g, or c

<220>
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<222> (445)
<223> n equals a,t,g, or c

<220>
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<222> (455)
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<220>
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<222> (471)
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<400> 2951
gcaggaagac atggtgagag aacagcatgc ctgagagaga aaattcatgc ttgccagtct 60
gagataagcc agtatcatct tctttcaggt gcaagttttg aaactgcttt tgaatttgtc 120
tgaaaatcca gccatgacag aaggacttct ccgtgcccaa gtaaatagct tatatattta 180
ttttgtaaat atacacatat atacatttga acagacagac agatctggaa agattaagcc 240
taaaatgtta cagggattct ctctgangag cagtattaaa ggtggttttt taaattcatt 300
ttgtatgtat gaatttccta aattttttgc aatgagcctc ttttactttt gaaaaacatt 360
tttaaaaatt cnccctagca caattaatta tacttttttc tctaccnatt ttgggttcaa 420
ttgtgcctcc cntattttat acttnaactg tttgntttta catgtttctt nattt      475

<210> 2952
<211> 494
<212> DNA
<213> Homo sapiens

<220>
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<222> (260)
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2436

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
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<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
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<222> (485)
<223> n equals a,t,g, or c

<400> 2952
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cagaatctgt ccatgacaaa cacaaaactg aagagctgtt ttcaaagaaa aaagattatt 120
tcacttaatt attttgttgg ataattgtct agttagaact tccaaaaaga tacttacaaa 180
cataattcac aaatttgaaa taatttctga agttgattag ctatctcata tcttttatca 240
ggtcattttt tatatatgtn ggcacaaaca ataagtatgt tctcttctgt ttgggaaaat 300
aatttggaat aaaatanaaa ttagattatg aaaccaaaaa ccttctcaaa tttangcctt 360
atttactcat gactggtttc tatgcacaag aaaatactaa accaaatata tngtaggant 420
gttattctct tctgcatctt natccccatt ttgtttctgn ctttatttgt taaaattgtc 480
tttantttaa tggt   494

<210> 2953
<211> 103
<212> DNA

2437

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<213> Homo sapiens

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<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 2953
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaaccaann nnn                    103

<210> 2954
<211> 487
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (157)
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<220>
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<222> (201)
<223> n equals a,t,g, or c
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<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
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<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

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<222> (269)
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<222> (273)
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<222> (277)
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<220>
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<222> (279)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (373)
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<220>
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<220>
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2439

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<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c


<220>
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<222> (486)
<223> n equals a,t,g, or c


<400> 2954
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ggtcccacgg gcctgtccct gccactttcc aatctgtcct ccacttgaca tttggagtaa 120
tttttaaaa cagcaaatct gattaggaaa ctcanangcc cagggaagcc agtgacttgc 180
cctctggcac cctgtcctga nggtagagct tcctggcaca nggtcagtga gccccgaggc 240
cacctccctg gaagctgcan gaaggtnanc gtngtcnana acaacaattt tcattgtttc 300
atgtgtcatt gcctatttta cgaacttcgc aantgccctc aatttgctta atttactttg 360
gccacccct ccntnaaaag tcaaantcgt taattccaac tcccncccgg caccgggttc 420
tgcaccngtt attccaacag ctggacaaa aggctaaatt gantttgaaa nccataatt 480
atttcnt                                                          487


<210> 2955
<211> 349
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (169)
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<220>
<221> misc feature
<222> (217)
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<221> misc feature
<222> (231)
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<220>
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<222> (237)
<223> n equals a,t,g, or c

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<222> (242)
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<220>
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<222> (245)
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<220>
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<222> (256)
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<220>
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<222> (299)
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<220>
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<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
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2441

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<222> (338)
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<400> 2955
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tctgaagaag agggagagaa agagaggaca gaaaacagag aanaagggag gtttgcatct 120
ggacggcggt cccagtatcg gagaagcact gacagggagg aagaggaana aatggacgat 180
gaagccatca ttgctgcttg gagacgccgg cgagaanaaa ccaggaccaa nctgcanaaa 240
anganggagg actganctgg ggaaaatctg aaaacactga aagaaaccac tcacgttanc 300
ataaggctca nggcacacgt tgccaccact catcncanga tgaagatac            349


<210> 2956
<211> 393
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
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<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c
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2442

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<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 2956
gctcgtgccg aattcggcac ganatttttt taattgttgg agtgggtgat ttaagtattt 60
gaactttgct tatctcttgt ctaattaata cagattctgg aattttccag ttttacgtat 120
agataagttt tgaaagtatg atttaagaag atatgaaatg tttgtattgg ctatacttga 180
attttttat tgcaaaaatg tctgattttc tganactggt tttctaacta tttataaana 240
aaattggttg tggtctcttt ggaaaatgta naaaaaatgt anttgtgtgt tctaatgcct 300
tggccagata gcttgctant ctttattgaa atttaatgta tcctgacatg aataccatac 360
tnatanggct aaanttgtat gtttgttgct ntt 393

<210> 2957
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (312)
<223> n equals a,t,g, or c

<400> 2957
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cacggagcag agcagcccgg ggaccaacct ggaatactca gttcagacta ctgaggaaga 120
caaaataaac ttttatgctt ttaaaaaaaa ttatggacag aacaatatta gaacaaaaac 180
ttttatgatt ttccagcttc tggggtttgt ctacggttac cagcagcctt gcccngctat 240
tgtttttatt ctgttccagg ctggctgtta acaaaatacc aataacgggt nnttcttaac 300
aacnttttct anaatttcct ggggg                                     325

<210> 2958
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
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<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c
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2444

<220>
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<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<400> 2958
gtgtaggcac cctcctaatg ttggttgccc tccttttaaa gtcagagcaa gagaagtagc 60
aggaatctat atcctaagga ggaacataaa gggtgaaaag cacagtggaa gggatgccta 120
aaagagcaaa ggctgaatca gggttttaat ggcctgaaat gaccaatttt ctaaaacttg 180
acaggttaga tgttaaaatc agacatatag gttccaaaca atcgattgca aaggancact 240
tgttcaaaac actggctggg aatctgctca tgttgatgaa aaaccccagg gtttaaagtt 300
aatttnaggt cntttttgaa tccngaataa cctggctgaa aanaatccca accnaacccg 360
aaagaaacaa ccctnccgga acccttaccc cccctttgtg gaaaagaggg tnaaaaattc 420
cccccttatc ccttgcccnc aatttttttc ccctttntt tcttntttt tnccacccct 480
ttaaaaaaac tttt   494

<210> 2959
<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

2445

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<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<400> 2959
aactattgga tcccccgggc tgtatgnaat tcggnacnan ctcgtgccga attcggtacg 60
anagataact agtctcgagt ttcttttttt ttttcctaat atcgtctccc ttttnaatan 120
cttatttaat anacttngtg caaatttaa                                    149

<210> 2960
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (252)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c


<400> 2960
gcggcacgag cctccatcct agatagacca tcttgagtct gctgtctgga ggctagatag 60
ggaacaccca ggaatgaaca ggccgggttg ccattataca gatgctggtt gctgaaagtc 120
ttcaactgta aactaggtgg atttggagat tgataggtaa ccccgtctta caatagcatc 180
atcatatcta tnatttaaga atttgtaagg gacagtagtt tcataaaaac tcttgggttt 240
tcccaaatta anaaaaaata aggtccccca aatttattta ttaatttan ggtttttttg 300
ggntnnccg                                                     309


<210> 2961
<211> 531
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c
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2447

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 2961
gatcatttgt tgttttagaa gattgtcttc atctaaacaa aaacactaag aaatcagtag 60
atcactagat aatgagtcag tgtttttagc atcacatttt acaatttaca gtttttgttt 120
gattctgtag cccatttttc ttgaaggtta gaataagaat cttcttgtat ttgaaaacca 180
tctgccctaa attacattta actacaagaa atggctctct gctggagaaa tttaagcttg 240

2448

```
tcttagttgt ttggtagtgg ctatggaatg anaagtgttg agtcttgtgc cccttccatg 300
ttnttatttg ctnacttact atattactan ggcctttaat tccagcacag catgtcttct 360
ggtctatgaa aattgtgttg aagactaagg caaatgcctg ttccctgcca ctctccncca 420
naaaatcnta tccgaaaant gactttgaat tccggtcctg gtaaccaaac actgtaatcc 480
tccctttgca atccccngaa ccaaaggcta cgtccccngt ncncccttaa a          531
```

<210> 2962
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 2962
```
gcggcacgag ctcgtgccga attcggcacg aggggggggcc cggtacccaa ttcgccctat 60
agtgagtcgt attacaattc actggccgtc gttttacaac gtcgtgactg gacccnaaaa 120
aa                                                               122
```

<210> 2963
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c


<220>
```

```
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 2963
gccgaaggcc cagttcttcg aaagcctgtg gccggagctg gactcacagg attcggggtc 60
cgtacagcgc gcacgtggta ccgcatcttc ggcagcggcg cccctaatgc ccagccccgc 120
cctgcttcct ttgccgggcc tgaacggtgt cagcattgaa ggttggacgc cgantcncgg 180
cgaattggtc ccttgcggtt ataaacttgg ggcttcccta agggcggtgc ccggatngat 240
gggggcncct cttccacctg caactccccc cacgcnaaaa cgcnaaaatt ncacatcncn 300
ggccaacccg tcncctccgg gtttttcaag gggggccccn gggcaaaaag aacttaanaa 360
ttgttttggt ttttaaaaac catttncatt tggnatgggt ttcttttttgc ccctaaaggt 420
ttcaaccccg ggnttntggt tcattgggcc cattttttcaa aaaacccccnc ccnaattttg 480
ttttttccna aaac 494

<210> 2964
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c
```

2454

```
<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c


<400> 2964
agtnttacct tcgccnttcg aaagccccgg ccctaaaagg aataaaagct ggagctccnc 60
cgcggtggcg gtcgcnctag aactattgga tccccgggc tgcatgaatt cggcangagc 120
tgcttcctct cctggantcc agagtcccnn tgctccgtcg ggatattcan taaancnctg 180
ggantcnggc ngtanggacg cngcgcgccc tcccccgacg gtanggaaat ccgtngtggt 240
```

2455

```
cngcggnggn atcncaggcg tcacttgtgc gnancagtcg gctactctct ttccatcgga 300
agatattctc ttggtcncgg nntctccggt tantaatgaa ttccaaattt cgagcanatt 360
tctatattnt tngaacaatt cgatgtttna ataacantca agttccatgt ttnagaatan 420
gcctncnccc ncatggaagg ttctagaaac ctggcgttaa cgctacctga aaaaaatttt 480
aaaaanactt gcgttnntta cnanaaaaat gggcatccac accttttttt taaaaactct 540
```

```
<210> 2965
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 2965
gcggnacgag ctttcttaca gctggctact gaagttttgg gatactagaa atatcacttt 60
tatccanaga cttactgagg cttgtactac tcttcaagct ttgtggttta gactttgagt 120
catgaatttc acccttctct gaatgtcttt taaagtttat gccattcttt gaatatggtt 180
cttggactcc tacattactg ctgccaaccc cacccagaaa ttttcttatt tgccnagtat 240
```

tttttttnggt cttttttnnaat tcaanggtca tcattctcca taattttggc tat   293

<210> 2966
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 2966
gtcgagtttt tttttttttt tttaaaaaat ngtttaanna aaatcncncc caacactttc 60
a   61

<210> 2967
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

2457

```
<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c


<400> 2967
atgattttca ngctcgaatt ccccttcgaa atncngcctc actaanggga aaaaagcngg 60
agctccaccg cggtggaggc cgctctacaa ctagtggatc ccccgggctg caggaattcg 120
gnacgagtgg caacctggtg atggcagtgg tantggaaca tcctgccttt gcanccntcc 180
ctccntc                                                          187


<210> 2968
<211> 432
<212> DNA
<213> Homo sapiens
```

2458

```
<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c


<400> 2968
gcccaaaccc actccacctt actaccagac aaccttagcc aaaccattta cccaaataaa 60
gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaacccct ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
ccttagaaca gcttaaagag cacacccgtc tatgtngcaa aatagtgggg aagatttata 300
ggttgaagcg acaaacctac cgagcctggt gatactggtt gtccaagata gaatctttag 360
ttcnactttt aaattttgcc cccagaaacc ctctnaatnc cccttgttaa ntttaacttg 420
tttngtccca aa                                                    432


<210> 2969
<211> 211
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 2969
aatacaatgt natttaaaaa agtatgcgtc ataaaaacct ttaattctat aggnttatat 60
ctgattcaat gatatttagt anagtaattg tcaganagat gtgtaatgta ntaattgaga 120
ctgaanttta taagggccaa gtcacatgtc aatgtgacat gtanagacat atttatttnn 180
aaacttggat gtttctaaat ttgtattacn a   211

<210> 2970

2460

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<211> 96
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 2970
tttttttttt tttttangna nttttcccct taaaaaattt tttccatttc cccccnttcc  60
cccgnggttt ccttttttaa acatttccaa gccctt                            96

<210> 2971
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
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2461

<220>
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<400> 2971
ggtgaaatgg aagaatttag gataagtttc tgaaagactc ataaacagtg attcttaaaa 60
aaatgagcat tgggatttat ttcagggaaa acataagtat tgtantcana ttaccacctc 120
cctncgggaa ngaaggccac atnttgtggg ttttggt   157

<210> 2972
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c
```

2463

```
<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<400> 2972
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2464

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gaaaaaaaaa aaaaatttgt tgcncttgan caacttnatg ctntaaaatn caaaatntct 60
ncaattntnt ggtccaaaaa tatattctgg atttggtaat tggcaaaccc tttgataaac 120
atggccantg accnctnaat acnccccaaa gccagcnttt nctncttntn cagtgcataa 180
aatttattta ttttnaaaan ccncatacta ttttgggacc attaaaacct atggttaaac 240
tggctgcatt ggaattaact ttngaccaaa tcctaacnct gctactttct aacattntga 300
attgggnaat ttcctttcn                                            319
```

```
<210> 2973
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c
```

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (642)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (656)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<400> 2973
gacagcatgc atataaaatt ccaatctgac aggtcataaa tatacatttg gatatgtgta 60
tctattactt acaaaagtaa aaagaaatgt tctaatgcac agtttgaacc taaaatatac 120
atacataaag ttcttgaaag atgccaactt gaatccaatt ttaaatgaaa aagtttaaaa 180
ttcgtaagat gagatgagtt gatatgtaaa tatgtcaatc aaattgattg ttggcagagt 240

```
gaaaccagtt ttaactaaga taaccatgaa tacgtttgtt catgaagcct aaatacagtg 300
acattagaaa tgttagtgga taaaagctgc gtactttaat ttcagtttga acagatgttt 360
tatgttatat ctntattgag atgaagtaga tcactccaat tttaagttga acaacatgga 420
ttaacttttt aganaagcag tctaattagg ctgactttng aatttcctat ttttaagtta 480
cagttccaga acctgaaagg tttcatcctt ngtntccatg aaaacaggtg gttttttccnn 540
taaaatanta aaacngggtc ctaatgtcat attttaaaat nattgtttan aattaaaatt 600
ggtccnccaa taatttttc caatatntcc cattcaggtt cntcnatttc cccatnttcc 660
ctttgaccnt gaatcttacc catgagcaaa cttggaaatt tgaatgaat           709
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<213> Homo sapiens

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<222> (493)
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<220>
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<222> (499)
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<220>
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<222> (502)
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2468

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<220>
<221> misc feature
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ttttccctat gtagtctcat cttaagttgc aaatgtagat tttaattaag cagtantaat 120
gtgacttttt tgcctaatct tgcagtagat tctaccgtat aacacattgg anatggtaat 180
cgttcagttc atataaacat aaaacagcat ttgttaatat gtctgttaac angtagttna 240
taatttaatg tttgctttta ctggggcttg ttttgantcc catttttatt tgantcncta 300
acaaccatct nttaattaca atttaacttt cnaaganctg cgtnatttgt tttttgttaa 360
tgaaatgcta ttaacagcat tatnaaagtt ttctctttta atcttgaaan gaaaaaaatc 420
cntctcttaa aaagcctccc ccaaaaaaaa agaaaaactg ttccttaagt cccctactgt 480
nccaaaaatt tcncggttna tntttccacc tttgtccccc aaattttcc cnatttttgg 540
ttt   543

<210> 2975
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<212> DNA
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<222> (284)
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<220>
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<222> (325)
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<220>
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<222> (331)
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<220>
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<222> (333)
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2470

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<222> (344)
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<220>
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<222> (384)
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<220>
<221> misc feature
<222> (397)
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<220>
<221> misc feature
<222> (405)
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<220>
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<222> (440)
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<220>
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<222> (443)
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<220>
<221> misc feature
<222> (451)
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<222> (452)
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<220>
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<222> (472)
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2472

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<221> misc feature
<222> (496)
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<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
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<220>
<221> misc feature
<222> (572)
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<220>
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<222> (615)
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ggtgtggaga aaagtttagt tacataaatg agtatattct ttgtgcaaaa atttgaaata 120
ttaccattga aactcagatt tgctgtagtg accctcaatc ccattttttct cgttccctaa 180
ttaccggctg ttttagtttg gtttagtctg tccttccaga ctgttctgcg tgtctttcta 240
tgtatcaaaa atattgcctt ttttttttt aatttaangt ttnnaatncc ttttatatnc 300
ncancanttt nttaancncc anncncttaa nangtccaat gannaaaccn ccncattgta 360
ctgaactntn ccccntggga accnccatta ttatttncag ggttnttcnt ttttaccaan 420
tgaatttaca aattaattcn ctnggtttaa nnccgttncc aancccantt tnaattaaan 480
aaaaaaaaaa atcctntctt ttggaaacct aagcctgggg ataaatttta aaatcctta 540
aggntttaan ccccttaaaa aagggttgtt tnaccccnt ttcccaaatt aaaaattaaa 600
ggttcctcct aaaanccctc t   621

<210> 2976
<211> 489
<212> DNA

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<213> Homo sapiens

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<220>
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<222> (24)
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<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
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<222> (127)
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<222> (137)
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<222> (138)
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<222> (163)
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<222> (184)
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<220>
<221> misc feature
<222> (186)
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<220>
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<222> (198)
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<220>
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<222> (232)
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<220>
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<220>
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<222> (332)
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2475

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<222> (350)
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<220>
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<220>
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<222> (413)
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<220>
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<220>
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<222> (488)
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cttaccacat acatctctct cttcggatat gagctgnaaa ctccttatnt cancgctcta 120
actctgnagt cctaatnntt ctagttggac caaaaaaaat ccnnattgtt tgatctaang 180
agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240
ttatanaaaa tcctgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300
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2476

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ttaatattgt ccctattagc antcactaca anctatttct caaatntacn tatttctccg 360
taaacaanca ttcagtactc cntcggatct ctaaaaatcc tctatgatct ntncacatca 420
ctgataaaga ccaattcgta tatacatgac tgtccttanc acatattcac tatcagtaga 480
aaagcnanc                                                           489
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<211> 515
<212> DNA
<213> Homo sapiens

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<220>
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<222> (182)
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<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
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<220>
<221> misc feature
<222> (316)
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<220>
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<222> (320)
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<220>
<221> misc feature
<222> (326)
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<220>
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<220>
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2477

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<220>
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<222> (443)
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<222> (451)
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<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
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aaagtttaaa gtggagctca nacaaatcat gacttattaa gagactacag gaagccattc 120
agcatttaat aataactgtt tacaacatga ggcaaagcta ataatgttat ggttttatta 180
anagatctgt catctctgtt tttcttaaac tggtttaaca gtccagaact ttgttatgtt 240
gtttccanct gaaagaattt attatanggc ttggttaatt tatcctaaat tttccttttt 300
aagaacccca tgaacnggan cccccnaaga aactgaanaa taactccttt tttttnaaaa 360
agggtgaatc ctggcttgtt gcccaaaatt attttaaaaa ttccgcccct tnagggaaaa 420
ctttgctttg gtattttttcc ttnaaaacaa nttaccacca ccngcttnct tggttttccc 480
aattccactc ccagggtgaa ccttanccctt cctgc                            515

<210> 2978
<211> 568
<212> DNA
<213> Homo sapiens

<220>
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<222> (86)
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<220>
<221> misc feature
<222> (203)
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<220>
<221> misc feature
<222> (331)
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<220>
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<222> (377)
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<220>
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<222> (378)
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<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
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<222> (391)
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<220>
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2479

<220>

<222> (408)
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<220>
<221> misc feature
<222> (422)
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<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
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<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

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cagtgtcttt tagcaggatt aaccantaac taacttattt gctttggttt ccaataaata 120
actgcagcct gttaataatt gtgcatgtgt tttatgtggc ctcaaataaa ctgagacaat 180
cttacacatc tgcattccag atngggtcac tattccttca tacttaatct cctattatgt 240
aactgtccat tnacaaaaaa tacatcacat aagggaaaaa acttaaatac ttaatttgct 300
agtgcattaa taagtgatac taatacacat nactttttat tgttacctta aatatatgtg 360
tttgctcaga aatatannna ataaaaccta ntgttatgtt ttctcgcntt aaaatgtacc 420
anatcttgtc caaatgcttc gaactgtaat gtgtttactc cttcncgtga actgtgtcta 480
aacatttant aatgttttta aattntnaac tccatgaagg gtaaggtgtg tccnaattna 540
actgtttcaa cttgcaatgc caaacaca   568

<210> 2979

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<211> 665
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<213> Homo sapiens

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<222> (257)
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<220>
<221> misc feature
<222> (281)
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<220>
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<222> (289)
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<220>
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<222> (292)
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<220>
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<222> (301)
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<220>
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<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2481

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<220>
<221> misc feature
<222> (356)
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<220>
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<222> (374)
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<220>
<221> misc feature
<222> (375)
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<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
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<220>
<221> misc feature
<222> (429)
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<220>
<221> misc feature
<222> (436)
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<220>
<221> misc feature
<222> (455)
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2482

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<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
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<220>
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<222> (601)
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<222> (632)
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tgtaaccagc tgtgcacttt cttctctttc ccaaccccag gaaaggtttt ccttattttg 120
tgtgctttcc cagtcccatt cctcagcttc ttcacaggca ctcctggaga tatgaaagat 180
tactctccat atcccttcct ctcangctct tgactacttg gaactaagct cttatgtttg 240
cctttgtttc ccatcanaat gtccactaaa aagaaaagga ngaaactanc anaagaaaat 300
nttattttgg tttatnantc ttaancccct ccaaagacan aactttaaat cttttnaaaa 360
aaaagtttgg aatnnatttg attactatca ttattcnnca ctttactttt aanccnggct 420
ccctacttna cttccnccta cattatctcc ctttntncct ttatcatccc ttaaaaaaat 480
tcctttnaan atacattttt atcctccctt tttacaccaa aagggnaaat tccgggcntt 540
tggttgggtn caatcccctt tttattcccc cnncaccttt ttgggaangc tttaagggcc 600
naaaaggatt tttcctttaa gggccaaggg antttttaa aaaaccaact tttttccccc 660
cccat                                                            665

<210> 2980
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
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2484

<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<400> 2980
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gcatgagtct gcctgtgcag gtgtctccta atcctgattt ttgcttgtat ttgtgaacat 120
gtggcaagcc tcttctgctg aaccaagtaa gggttgtgga gagagaacag aggcaccaga 180
catanactaa ggtgtaagga gcaagatgta atantttaac tcaattggat tttttaattg 240
ggtggaataa ttcagggttg ccacacaata ttatcaccta aaaagatgtg acttactgtg 300
aangatcaat actaaataat ggggctctct ctgccatata tattcttgct taaaagtatc 360
ttantacagt gcagacttat tatatacaat ttaatttaca tgaattcact attncatcca 420
tcctttatat taactataat tgtttatatg tnacanattc ccaattaaag aattacacaa 480
tattccataa tntttattn tc 502

<210> 2981
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>

2485

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<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 2981
ttttctagat cgcnccntct taaggaaaaa aagaggtggc ccccgnnagt gaangatttt 60
cnataactgg agccatccgg ggggctggca anacttccg                        99

<210> 2982
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
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2486

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
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<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 2982
nattttttaac aagtttaatt acagtatttt ttcaatggga aaaactttgc tattttagta 60
agtacttgtc tcagcgcttg actttggtta aatgttaaat attttttaat atacataccc 120
angggggcaga aaacatttgn caattcattt ttattagctt gatggagcat gnattatttg 180

```
caatggaata ttggacttgg tattttttcct gagcattatc aggtttctgg ctggtgggag 240
gggtgggnaa aaccaattcc tctttanctg aanaagntat tggtgngggc agggctttgg 300
ctttgnctgg aaagcggctt aaatccacct tatnttgggg gcttntggnt ggggaaaaac 360
caggaaaact ttgtcccctt ccccccatgg ggttccn                         397
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<210> 2983
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<400> 2983
caaaatcctt cgtgttnatc angtcacctc cttcnacatt ttgaccacct cgcttctntt 60
gcacgacata caagatntcg ccttcgccta tctcaaaagg a                     101
```

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<210> 2984
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 2984
aatnaacctc accctccgnt aacaaaanat ggagctccac cgccgtggcn gacgctctat 60
aactaatgga tcccccgggc tgcaggnaat tcggcacgag ctctcccctt ttctctcccg 120
ttttccttct cttcaancta tctcgaaagc aaaaatatca gcactactgg naatanaaat 180
ccactctcta tgtttcaatt ccatttatcc tctggggagc acaaacttgg gcaatcaata 240
aaggctttaa ntganacaga catgctttag tgggtgcaat atgtgaccca aaaaattcca 300
cattcacatc agtgtggtta attttaaatc actcatcatt atgcacttat attcacaccc 360
acacacactc aggactcaca cagaaaaaaa aaatnattca gacactccaa aattatcctt 420
cctttcttta ttntttatgc aggtttatga tnaccacttg taactgtcac aaccctnggg 480
gana   484

<210> 2985
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)

2490

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<400> 2985
ttntcgaatc cacccccctcc tttaggaaaa anggctggng cncgccgtgg gtggacagan 60
cttcnactaa ctggtgnatc ccnggggctg gcaagactg   99

<210> 2986
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

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<220>
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<222> (51)
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<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (185)
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<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c
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2495

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<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c
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2496

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<221> misc feature
<222> (581)
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<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<400> 2986
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taactagtgg atcccccggg ctgcaagact ncggcacgna ggatagtatn ataatatggg 120
tacaaggact atnggcaagc aaatanaaac tgaantgtcc angcccaant cccntttctt 180
gtccnaaagt ctgattancc nttttatcat aancnngatt ccgtangtnc tttcnatgtt 240
aattcnattn tcttggagcc tcactcctcc tcntataaaa tcatttggta ttatttataa 300
tcttctncca ncattctact cttagaagct gaatcnacaa ggacagnnta acctcantct 360
tggacctctc aggctaaaca ggctacatta acannatcta caanatgatg gatgggttgt 420
cnaangtgaa tattctcacg ntaancatgg gnataccccn atngtctgtt atactctgtt 480
atcgtcatcn ctgaantaca ntgtcttgaa attaanaatt ctccaattac tttacanagg 540
tatcncngta ctnatntttn ntntcttcac tgtattatna nagcnggtct cag         593

<210> 2987
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c
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2497

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<400> 2987
gcttgatttg cctgtgagaa agatcactct gctacccaga tnaaaagggc cacagaaaaa 60
gcaggagatt ggggcttaag tnaggtgcta acaccaccgt agtgganaag ggagagaaag 120
cttggganat agatngatgg ggaggtagca ggacttggtg nattcactga gcctgggggg 180
atgacttgaa gctgatggtg cagtggntaa cagttgcagg gctctgaaag gggaagnagc 240
tgatttgcag gnagagggaa aanacttant cctgtngggt ccctgtnggt ttttacccccc 300
gtttccccag ccctattctt gccctccttt aaagtttcac   340

<210> 2988
<211> 285

2498

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
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2499

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
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<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g; or c

<400> 2988
agcataccec tgttctttg tccacngatg ganacattgg tacaggccat ancactttgn 60
gcgtcttctc tagccnggct taaaaattac aatcaacaaa ttnacagctn agaaattaag 120
gctgtgtcnc attacttcan ganaancctt acccttggat catacttngg anncctggat 180

2500

```
tgctaaagan gattgtcctt tatataatgg tgganatatc ntcttgnaat ntcttaatga 240
tcaagaacaa ttctgtcaaa atgtttaatc ttacttggaa tagtc          285
```

<210> 2989
<211> 115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 2989
```
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgctgtactg gggaaaaccc aaannccntn ctntt     115
```

<210> 2990
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 2990
gccaccacca agatgaccaa gcaccaagcc ttcctgtttt ggtgcaaact ggcatttggn 60
accttttggg ggatccgaca agcaaataaa gcttcagctc gcagtacagg actctgccag 120
atgtcttcac ctcctcctgg tggaatctaa gccttgtgca cctttccaat ccaaaatcaa 180
gggtacagga atcttcctgg aaaaaaagta natttgattc anctggcaan aattctgttn 240
ancttaatag g                                                    251

<210> 2991
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
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2502

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c


<400> 2991
tttctaaacc tcaccctccg tanaaaaatg gagctcnccg ccgtggngga cgctctacaa 60
ctagtggatc ccccgggctg caggnaatnc ggcacgaggt tgttctgtgc tcctgtcctg 120
caccataana gcatgtccca ggtcatcatg ttcttttgca ccaggntcct gggaatgcag 180
```

agacncttgg agctgacctg aactggacct ctataancag anatgctgan caacatctgc 240
agatacntgt atggtattgt agcagtccct gaaatcatnt actctacca   289

<210> 2992
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 2992
gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cttgactggg aaaactcatg cctgcntgat cctcnaaatc 120
accacatgan tattcctatc cntacn   146

<210> 2993
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 2993
gtatnaanaa tncaccttat gtggtttatg ccttcaatca tctcgtaaat anaaagtacg 60
gnc   63

<210> 2994
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<400> 2994
gccacccaga ttgtcccctg gnaaacacct gggtctctcg gtttccacag tctgggggtta 60
attcctggca ctgtgggatg atttcgagat gctgctctgc tcttttggtc aacatctgct 120
ctgactggtt gtcaaatatt ctgacattag acacagcccc aggcacgtcc tgcacacatg 180
cactcacaca atgtcccaca ggggacacac agtgttcaga attgtcacca tanacagaaa 240
ntccctcctg tggtatatgt tgaaatacct cctcttttgg gccaaagccc ctaggcagaa 300
nctcttgata atggtggcag gaaaaagggg tntngaaaaa aggcctgggc aggttaaaac 360
cantttcnca caaantctga attcctgctt gcaaaantgg gccgaaaagg gcaggaaatn 420
ctctttttaa aaaaac                                                437

<210> 2995
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 2995
gaatanaatc acttacaggn aatttcagtc attgatttca aatttgtaaa acaagctaat 60
agttaatatt ttgccaaaaa gaatatctat aagatacatt aacctactaa tggactccca 120
aactatgtga aaaaaaaaaa actgacaaan ttgangggan aantanacaa ctgaacaatc 180

<210> 2996
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2507

```
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 2996
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga nccccnaaaa nnn        113

<210> 2997
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<400> 2997
gctcacttgc tctgagacag gtgcggcaag tctactgcgg gctggtccgg gctcctcaag 60
tttcagaacc gaacggttat tccaattcgg ttccttggaa aaggaaaagn tgcactttta 120
naagttcccc aatgaaacaa aaaaacctcc accattttca nggccntgtt caacggccca 180
```

2508

tnacc   185

<210> 2998
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 2998
aggctcatgg gataaaacag acttcttant atatacctan ctatcccagg atatttctta 60
agctaatgtg tttgtctcat gctttcaatc atttcntgca tctgaaaacc cntnaat   117

<210> 2999
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2999
gcggcacgag cggcacgagc ggcacgagcg gcacgagggg gggcccggta cccaattcgc  60
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaan 120
ccnaagnnn                                                         129

<210> 3000
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
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2510

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<221> misc feature
<222> (189)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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2511

<222> (434)
<223> n equals a,t,g, or c

<400> 3000
gattctcaca ccaantncaa antattagga attttttata tcagctgaca tcttgtgctt 60
acagtaaagc catatagatg cacacatagt gactttatta aatcaaatga gttgtgcaga 120
gcagagcaaa tctattangc tttctctttt aaanttttct aattttactc ttattagctc 180
cctcagttnt catcaattac atattcctac atcagatatt ttacactatc agattctttg 240
attanaaaat catcttcagc tttacattat taatctctga aggacataaa atcaaatact 300
ttctngtcca tgatcantna tccctactat nttaaatctt cccataaaag cttaaangga 360
aaaaaaaatg tcgttnttcc aaaaaaaatg cttgccggnn ggtccgcctt tatccacctt 420
tggagcgggt tggngacctt 440

<210> 3001
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<400> 3001
gaaaaaaaga catctgaaca aattttagtc tctaatcctt acggctaaag caaacagtaa 60
agatagccta acccttagct taataatata aaatctcatg ttaaaggtcc atttgcctca 120

```
gttcctttta ctcagtacat cacattcagc tttcaacaaa aaaaattaca nggcatacta 180
aaaggacaaa aaaacagttt gaagaangac agcaagcagt nggacaagac tcngatttgg 240
aggaagatgt tgaaatcatc agactggaaa tttaanacn                         279
```

<210> 3002
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3002
```
acttgcnnct caaaaaangg ccccnaaaag aatntaaggt tgaatctcta ccgggggtgnc 60
```

2513

```
ggtcgattta aaattnttgg atcccccggg ntgaaggaa                            99
```

```
<210> 3003
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 3003
gtgaatacaa aacataataa aaaggtaagc tgaatatagc aaaaaaaaaa aaagggttta 60
aantgggagc ngntgggttn cctttanct cca                                  93

<210> 3004
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c
```

2514

```
<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 3004
gctttcctag aaagttaaga tgtaaatgta ttctcacatg taaatttgaa agttcagggg 60
tctattatga aatgatacac atttttaaat gaaccataat tttttttcact aagctgtttg 120
ccttccaaag tgtttacacc ttaagcctta acatgtatct tcattcagaa aacagttata 180
ttgtcatacc atagtaggaa gaaaaacctt tatttggaat atacactact gtaagtttgt 240
acagatcata tacctaccac ctgtctttgc ttaaagagcc ttgattacat naatatgtta 300
ggaaaaaaac atattgagtt tcaaaattta tatcctgaca ttgtttaagt ttatgantnt 360
tttttnnaat ttgccaaana caaggtgtta tatt                             394

<210> 3005
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2515

```
<222> (107)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c


<400> 3005
gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa tnntntnn             108


<210> 3006
<211> 336
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c
```

```
<400> 3006
gcttattaga gaggtcctat ggcagtgtaa actgtncctc cttgcttgcc tgcatttgct 60
gaactagagc tttcactgtc ggcttgcagc acatataccc ttccagttca ctggcttagc 120
aacagattca aagaacggtc ttagtactgt acctgaaatt atgatccact ctgatgatta 180
gactttgttc ttgggtcacc tgactcagct gtccttacct ttcattccgt aggttnaata 240
tagacataga cacagatcta taaaaattat acagatatga tnttgatctn gatatnggaa 300
aatagccctc ttataaatac cgatntctat gaatnt                           336
```

```
<210> 3007
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c
```

```
<400> 3007
gcgagttttt tttttttttt tttttaaat ttangggacc nctttttna ananttt      57
```

```
<210> 3008
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c
```

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 3008
gaaactttta aaaatctttg gtggaataag agagagagag agagtatgtg tataaaattt 60
cagagaggta ttttaaaagt gatggatttc tagcttggtc ttgaatgaag ggcaagtctg 120
gttggcagtg aanaggcaca gttttcatgg tgggaggctg gcagcaaaca gacaggctgg 180
gcccaaacac agtgggctcc tgaaagctgg aggtgtacac cnngacagct gctggagggc 240
tgttgaattg tttcctggaa ttaggtttgg gtttagtggg acaataccnn tccn   294

<210> 3009
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)

2518

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<400> 3009
gcaggcatct aactcccaca cctgtggctg gagcccatgt cactcacctc tcctactcaa 60
aactagattg caaattccca tccagagact ctccaaatca gtgactgcaa cccatgcttg 120
ttggcaggtt cttatacaac ccactatgag ttagcatcaa aaatggcttt ctcctatcag 180
cacccatgtn tgggagtgtg tgtggggtta cttcccagtg ccgttccttc tcatggtctc 240
ctgactgctc cctgattcca gatcaaggct tggtaaantt caaaaactcc tccatggctn 300
ggaatgcctg gcttgtccag tnggaatgtt tttttcacaa aaanagttcc tcccccgtct 360
tcacacacng angaatccct cacagttttc ccaccaaatc caccccnnn gggtgctgct 420
tgccttattt tccaaatttc ccaa   444

<210> 3010
<211> 347
<212> DNA
<213> Homo sapiens

2519

```
<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<400> 3010
gtttagttca cctggtaaaa tgggtttctc atttctcgat caagcctggt gtgaagggac 60
gcattggact ttaagttgtt ttataccctt catctatttt ttttaaagat ttgaactgtt 120
gatgtacagt ttttaaaatg ctanagctag caaaagttga caactttcca tctgattgta 180
tttattgaaa catgtgcatc tacatatatt tactggactn cttactgtac attttncttc 240
ctctaggaaa tggcatcaan atggttcaac taagaacatg atcactaaaa acattataat 300
aatacctttt ngaaaaaccc antncccccg tttaccaaat ttttntt             347

<210> 3011
<211> 126
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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3011
gctagtctcg aggggggggcc cggtacccaa ttcgccctat agtgagtcgt attacaattc 60
actggccgtc gttttacaac gtcgtgactg ggaaaaccca agctntnntt tttttttctnt 120
cgcant                                                             126

<210> 3012
<211> 69
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 3012
gctgatgtga ggcctcttgg tngttgtgtn anggaaaatg gtatcaanta acagcatggc 60
ccccangta                                                        69

<210> 3013
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c
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2522

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<400> 3013
gagaacacag agtgtgttca tcagatttta tctgcagcag ttttnttctg tttattgttt 60
tnccttagta gtgatgttac ttttatcaaa gataatccat tgaggacatt gttctatttt 120
ctgacaaatc aaaacgttgt cttcaaataa tgcctttaac aaatataattc catgtttgac 180
ataggaacta cttatagatt gttataaaat tgaataattt tgtattaatt atttaattct 240
ttccttaaca taacatgtta agcatgatcn aatgtgaaaa cacttttncc ccgaattnnn 300

<210> 3014
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3014
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cntgactggg aaacccnaaa nnn 103

<210> 3015
<211> 104
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3015
gcggcacgag gggggcccg gtacccaatt cgccctatan tgantcgtat tacaattcac 60
tggccgtcgt tttacaactt cgtgactgga accccnaaaa nnat            104


<210> 3016
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2524

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<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3016
gcggcacgag ggggggcccg gtacccaatt cgccctatan tgantcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaacccnaaa nn              102

<210> 3017
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<400> 3017
ggttattcan agcttaaaat ctacttttaa agctttccaa ataaaaaaaa gcaacttaac 60
aaattgctcc ctgcttatta gctnaaatga aatcatgaat gtgctggcat agatnagagc 120
ctaattgatt acctggatct aggtacatgt gtcgcctnna atcattcaac ctttcntcac 180
tactatgtgt aaggnantct gctnggtccc aggaatgtgg ggctaatgaa taaaagcact 240
cctacttnag tctggcagga                                                260

<210> 3018
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
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2526

<223> n equals a,t,g, or c

<400> 3018
gctagtctcg agttttttttt ttttttttttt aagttnanaa ngttnaacta naatta   56

<210> 3019
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 3019
gaggaagtgg gcagcctgga tatcacatca ccccatgtct gctgctgctc aggtttctct 60
cactgtctct tgggtatgtg gtgggggattg ggggggtgagg aaggggtggg anggcanatt 120
aaagagaaag cagctgcagc ctgaggcaca gacaggatgc agagtgactc catcatccca 180
cctagagtca tggacaccac ccactttgat acatcctgtt ccacaaccat aattcccttt 240
catgctnatt ccttttaat tggaatctcc cttccttcca cttccaaaaa aaccnaatct 300

nacccnggtt ttttaaaaat tggggaaaag ggttttccn   339

<210> 3020
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 3020
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa nnnnn   105

<210> 3021
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

2528

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<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c


<220>
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2529

<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<400> 3021
ggaaaaaaag gactcatcta gttatatgga gaggcagaga aatgcaccca cgcaggtctt 60
ggtgagtcac ctgccaagaa actgagactc cctaaagtaa cagaacttcc agccttcttg 120
gcaaaggatc caggtttggc acagtttcaa ggtttatgca tttaaagaaa naaacaccct 180
gagaaggcta aaattggtaa cggctagttt gaaggttaag aaaaaaaacc tactcctgaa 240
ctgattctct atgttgcctg aaggctcctt atcaaattnt tcttactgaa aaaaccccaa 300
accacttcct gttgtttat attacaactg cttgaattgg ggnnaantta ccccccgtg 360

```
ctttccgttt nccccccaaa ttngcntnct gcatttcctg ttgggttccc aattttntaa 420
aatcccccac ntgaaatttt nncattgggc ccccncccna nnaaaaaccc cnatttccca 480
ttccttggaa ggattggaaa aaacccnggg aaaattttg gaatnaaacc cctttttttt 540
n                                                              541
```

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<210> 3022
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
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2531

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<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 3022
ggtgcctaac aaatattccc cttctcccag tcccacatct gattgcgggc tgactggtgt 60
taccagtgct acaaagagaa ttctaaggtg ggtatgccag gcaggcnagt ttacagacct 120
atcatatgtt ttctcagggg ctgcctgtca ccagctttgc aaatttgggc agatttgaaa 180
ttatcactta cctttctgcc ttagttatca gatctcttgt acctctggca gctttattga 240
atttgtgcca ggtttgttaa aataacattg ttcttgaaat tattccnaca ggtgagttta 300
ccccatgcct ataancccaa antgcttgga attaagggnt taaccactgc ccccgggcaa 360
attccagtnc cttttccaaa aaaaacccca aacttaacct tggaattaat ccaattttnc 420
cccnntttta ttttaaaatt anaaaa                                      446

<210> 3023
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (292)
<223> n equals a,t,g, or c

<400> 3023
gttggattat tgaattttac cttanaaaag aaaaactgca cgaaaaacac atatcaaaat 60
ttaaaaataa ggaaagtaaa tcaacttcca catcaacctg cctcataatt ccaacatttc 120
acttgatttc tatatacatc tgaagccatc actaaattgt cagtgtacct tccaaaatga 180
tggccctgac cacatccatc aaatgtttca ctaagctaac taaatcctac aaatgcctgg 240
ctaattgaaa tgctttttnat antntttccn atgggctgaa tacccaaggt anagccg     297


<210> 3024
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<400> 3024
gccccgactg gcctggccac actgctctcc agtagcacag atgtctgctc ctcctcttga 60
acttgggtgg gaaaccccac ccaaaagccc cctttgttac ttaggcaatt ccccttccct 120
gactcccgag ggctagggct agagcagacc cgggtaagtn aaggcagacc cagggctcct 180
ctagcctcat acccgtgccc tcacagaanc catgccccgg cacctctgcc ctgtgtcttt 240
catacctcna natgtctgct tgaaaatatt tcctcagcct gaaagtttcc ccaaccatct 300
ggnaaaaaaa tnctatgcat cccttanaac cctgctcaga acacaattac ttttgttaaa 360
ggcttctgcc acatcttntn ttcccccaaa attgaaanac tccgccttct ccgggggncc 420
cggtanc                                                          427

<210> 3025
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2534

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<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c
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2537

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<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 3025
gttcttgcct atccttccat tgtttctaca tgcatgtaga cacaagttct tattccagca 60
tacataaaag gtaatgtact gtatatatta ttctgcacta gttttaaaaa atttaacagt 120
atgtaactgg agctcccttt gtatccatac ataaagagct tcttnctctc tgttacagta 180
anactatgan aatgttccat agtttaacca gtccagtccc ttananatgg ataccgtatn 240
gttattgcaa ncaagtgctg cagtcagtaa cttgtgttat atcannattt ngttcatgtt 300
gcnggtttat ctatanaata aatnccccaa aaataaattg gtgtgttcna ngggtnantg 360
tttttggtta cccccagaaa aaanttggcc aattnccccc cgtaaaaaan ttntttcntt 420
ttggaacccc ncncnttttt aaaanttttn ttgnttnttt ttagnaaaat cttaanncnn 480
cccttccccc caantgaaga aaaaanaaac ttgtccnttt tccccccggg tgaaaaa    537

<210> 3026
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c
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2538

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<220>
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<222> (104)
<223> n equals a,t,g, or c

<220>
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<400> 3026
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacnt cgtgactggg aaaacccaaa annntatna            109

<210> 3027
<211> 544
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
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2539

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<222> (132)
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
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<222> (165)
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<220>
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<220>
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<220>
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<222> (187)
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<222> (190)
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<222> (206)
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<220>
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<222> (222)
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2540

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<222> (257)
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<220>
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<222> (294)
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<222> (301)
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<222> (312)
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<220>
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<222> (314)
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<220>
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<222> (315)
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<222> (316)
<223> n equals a,t,g, or c

<220>
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<222> (317)
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2541

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<222> (336)
<223> n equals a,t,g, or c

<220>
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<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
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<222> (357)
<223> n equals a,t,g, or c

<220>
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<222> (359)
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<220>
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<220>
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<222> (371)
<223> n equals a,t,g, or c
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2542

<220>
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<222> (372)
<223> n equals a,t,g, or c

<220>
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<222> (373)
<223> n equals a,t,g, or c

<220>
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<222> (381)
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<220>
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<222> (416)
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<220>
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<222> (450)
<223> n equals a,t,g, or c

<220>
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<222> (455)
<223> n equals a,t,g, or c

<220>
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<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
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<222> (536)
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<400> 3027
ggcaaagttt atataagttg taggatgccc agcagccccc ttttctctat ntccttcctc 60
ttgaaacaag cgtnnactat accnctttcn ctaacccttt atgttaccat atcttctncc 120
aacctctctc cnatccatta ctnngttctg agctaccctg tctcnnntct aactcacgcc 180
tttntgnaan aggaagttta agccantgtt tactctctta antcacttca cccttagaac 240
aatcctggga ggtgttnatt tcggaaaagg atncttaacc acaggacaga aaanttagtc 300

2543

```
ntcgtttctt tnnnnnntta tttataaatg ggaccntatg actggttatn ntcaaancnt 360
caacnttnnn nnnggaactt ngcatatttg caacccaaaa tgggccgcct tgaaanggtc 420
ttttgcagta aaatctcagt gtccacatcn aaaanagtct tccgggctcc aattaatata 480
ctcctgcccc anctgctcat ctcttgcacc tctaaacgtt cttcacaaan tagganattg 540
ggct                                                          544
```

<210> 3028
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
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2545

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<222> (264)
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<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 3028
ntctgggagc cgatacacna gccactaacn attcggtcgt tgtgngacaa aagatgagat 60
aaaatcctct tcatcggccc cnaaatctac tggctgtggg ggctggtant tancctncgt 120
gaacgcccna cattgaaaca ctncccnatg tgttgggacg tccacagaat gncaagctna 180
ccacgcngtt tatcttactt gggcncgcnt aagcccccgc tttgggccca cttggtccac 240
ttccncaatc ccttgncgcc caanaaaggc ttctttccaa ggtttcccaa agggcccccc 300
nttggggttn cantcccctc aaaacataag gggccngcnt taattaacct cgaagtgggg 360
aacc                                                              364

<210> 3029
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
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2546

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3029
ggccctgggc gttttcccat tctgggaaga aaaaaaaaaa atncctgggn acccctttaaa 60
aaaaccnatt ccctgaaaaa aaagaacttt nttnccggga aa   102

<210> 3030
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

2547

```
<400> 3030
gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaan nnnn              104
```

```
<210> 3031
<211> 543
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
```

```
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
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2549

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c


<400> 3031
gcggcacgag gtgacgcctg cgccttttcc cacagcgtca gaacaacaca actttgattt 60
ctcctctgtc aaagcaggga caaacaagct ggtccagatc cctgatatnc tggaagaagg 120
agggcatgtg accctnaaac ccccatgagc agcatcctgt ccccnagcca cggaagctcc 180
tgctcccttg gncaggcctg cccctccctc caagctgtgc tgttggacat tcggtgacnc 240
acacncctga caagctctcc ttgctggccc ttagaaggat cggtgaaaag gaaggggaaa 300
ccatcncttc ttgaactacc ctttggaatc cctccccgtt tgaatttttn tacaccatgc 360
tttatcnttn gnataacccc gntncctatt nangnnaatc ccaattttga acctttcatt 420
tgccaccaaa aaaaaccctt cttttatctc ccnacgattt ctcaaantcc ccgttttgaa 480
acctctcana ttcccaattt gcaactttca ctccacaggn aaatttttcc aaatctctta 540
tgt                                                                543


<210> 3032
<211> 71
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (60)
<223> n equals a,t,g, or c

<400> 3032
ggacaantgn aacgtattcc tgggtgtgct atacccgant gcantggatt actcgggtgn 60
tcttatttct a                                                      71

<210> 3033
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 3033
gcggcacgag gggggcccg gtacccaatt cnccctatag tgagtcntat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa atantcntng tc        112

<210> 3034
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c
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2551

```
<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 3034
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacntc gtgactggga aaaccaangg tnnn        114

<210> 3035
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<400> 3035
aggtcatcca gctgtcngat gggtcanagg tcntcacttt gtctgatgaa gacagtnttt 60
atagatgtna aggatataat gttagacttc tagcacttga aattgcccat ggtctttctt 120
cttctcttca atctnatnag ctggttgatc agaaatgcna gagtgacatt gagaancnta 180
aat                                                             183

<210> 3036
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2553

```
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c
```

2555

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<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c
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2556

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<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 3036
gaagaanatg gcttccanaa ncatgcggct gctcctattg ctganctgcc tggccaaaac 60
aggantcctg ggtgatatca tcatgagacc cagctgtgct cctggatngt tttaccacaa 120
gtccaattgc tatngttact tcaggaagtg angaactggt ctgatgncca actcgaatgt 180
ccgtcttacc gaaacagacc cacctggcat ctatcctgat tttaaaagaa ncccnncacc 240
ntancanaat tncntaattt ggctttcana aanaccngnc caatattgga tttggncttc 300
ccccaacccc acanaaataa tggctngcac tttngcngtt gggatttgna ttggggggcc 360
aanttntctt tttncnanaa tccctgggtc ctnggcaaag ttcccttggg gttggggaaa 420
ccaanccccct tgttgcttga aaaattaaac tccccatttn ncccncctttt tttttac   478

<210> 3037
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
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2557

```
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
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<222> (256)
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<220>
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<222> (259)
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<220>
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<222> (285)
<223> n equals a,t,g, or c

<220>
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<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2558

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<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
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<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 3037
gcttcttgca agtgcttagg canaattata cctgaaaaaa aaagctggaa ctcttgacct 60
tttctcatgt tgattattaa tatgagcagt gaacttccna cnatgagatg ttagcagaaa 120
tgaagggctg ctgtcagtgc aatgctcatg gtggagctct acaggtctct gcantgccct 180
ancctgcctc tcctgctctc ctatcacagg canatntgcg acgggggacc ctgcntaccc 240
ccagccttgg ctccantanc attgggcaca aatccctcan gtgtncaggc ttngcacagg 300
tgcatattng ggagcacctc angatgcngt taggggaacc ctctgcacaa cccacctccg 360
gcaaaaacaa gttctggggg cacggtgccc caaagaaaac cntgattgaa tacttttgtt 420
tatttanttc tgcgntccat gnaaaacttc ctngggaaaa ttttctacaa acttc     475

<210> 3038
<211> 482
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c
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2560

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<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 3038
gtggncnnag gggggcccg gtacacaatn cgccctatat tnagtcctnt tacannncnn 60
tggccgtcgn ttaacaacnt cctgactggg aaancccaag catgagtgcc agccactggt 120
atctanaact gtgattagtg aggaaacacc taggangaac aaacaaccca actcttttta 180
tctaatctgt tgactccaaa gggaccttct gcttattcca gttaaaactc aagctgcaat 240
tcaaaatgaa atcagtatct ttttttctct acttttcagc aaagcaagat gctaccttat 300
nattaccacc tttaacaatc aatcgcnaac atagtgggct taaagcagct cccccttta 360
acctacntat ctggcaaact ngcagtcttg aantgaactc agctngaatt tttttcctga 420
actgaacant tttttnggtc ctgctgcngg ctggttttaa atgatggtgg aataaaaacc 480
cc                                                                482

<210> 3039
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<400> 3039
gataatttta taatgttgtt ttttggtact ttaatacatt tattgncctg aaataaatca 60
cctcatttat cttttaaaga gtgtgtaagt gcctgtattg ttttctgagg naaacagtcc 120
tagttttaat tagaatgaca tagagttctg tctaaaaacc tcgaaaactt aaggaaccac 180
tgtgaaacat ccatctactt acacccattc caaccccaaa tcagtactga acaccaaaca 240
tgtacacagt tgtcatgatc ctcatcacac ttgtctcaac taaataatgt tacccctcca 300
cccctcccac tgaagatctg cctactgtat ttctacctga ggttcaaatc agggttcttc 360
tatgaaagtc tggtnnactc ntcnngtctg tatc   394

<210> 3040
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2563

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<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 3040
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaacccnaaa nnnn        114

<210> 3041
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 3041
gcggcacgag agtttgtttt tttttttaaaa tngggctaaa ntttnttggg ngcaggnccc 60
c                                                               61
```

2564

```
<210> 3042
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 3042
gcggcacgag gggggccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aacccaant tnntnn              106

<210> 3043
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2565

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<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 3043
gcaaagatga gaattaccat tcctaacgtg aaaccaggat tggagacagc tgtncttgcc 60
caatttagta tcagtagcca gtgttacaac ttaattcctt cattggtaag gaaattgaac 120
aaaatggact ctctcagatt ccctgttaga atctgagagt tccaaggcac tggaggaacc 180
tttcaggtaa gcctttcttc cacctaagtt agcacagtca gtgtctgaga aagattgtgt 240
ggaatgaaag caaaacctta aatcttgaat tcagggttat atttcatcca tcactctttc 300
tangaagctg ttatgctgtt atgaaatgaa tgcaggtttt tggcactaga atgaacctgg 360
gttttatttt ggntcctgtt tgaataccat tgtgtttggg tgaaatttcc naaantttgc 420
canttgcnca ttttcccc                                                438

<210> 3044
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
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2566

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 3044
gaaaanggta atggaaacat ttcatatgaa gccaagtctc actgagatca ccctactgct 60
taataattca naaaattttc acctgcaaag tgtntggaat tttatgtntg tggntgaaag 120
ccatcttnta caatgcttaa tcacatctct gcct                             154

<210> 3045
<211> 128
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c
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2567

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<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3045
aggnntnccc taaaaagttt ataaaagatg gtanctccac cgcggcccgc ggaagaatct 60
agaactaatg gatcccccgg gctgcaggna attcggcacg anaggcacga acgcctnttt 120
catcnatc                                                        128

<210> 3046
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c
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2568

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 3046
aactattgga tcccncgggc tgcangtaat tcggtacgan gtgaaaagga naaccccatg 60
cgggtaactt cgcatccnac aaactctgtc tcaacattct gtgtcgggga gantgc   116

<210> 3047
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 3047
gccctctcca cctgctgtgt acaaaggaga aataatcact ccacacccga ctgaacattt 60
tctaacctta tcactgtggc agaaactggc tactcttcct cctgggtaga cagccaggct 120
gtatttcccc gctgcccctg cagtgagagg tagccattgg agccggcgca ggccaaatgg 180
actctgcact ggagtgacac atgctgcttc caggcctgtc cctcaaacct cccacatgtc 240
ctctgtctgc tcttctcact tccaaggagc gtgaccatcg tggaaacccc aggtnagcaa 300
tggcanattg ggangcatcc atgggangaa actgggttcc ctgacntaaa gcatcatgga 360
at   362

<210> 3048
<211> 247
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

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<400> 3048
ggggggggnc naaactccta gctcntaagg gtcctcctca acaaagggaa caaaaggccc 60
agctccacca anggtggcgn tcgctctaga actagtggat cccccgggct gcaggaatcc 120
ggcacgagcg gcacgagggg gggcccggta cccaattcgc cctatagtga gtcgtattac 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accccaagng tnntngtttc 240
ttcgtcn                                                          247

<210> 3049
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<400> 3049
attactngan tgtngacccc ccactcaatc atatnccana tctctccctc actaaacgta 60
agccttctcc tcattctctc aatcttatcc atcatagcag gcagttnagg tggattaaac 120
cnnacccagc tacgcaaaat cttagnatac tcctcaattn cccacatngg atgaataata 180
gcagttctac cgtncaaacc taacntaacc attctgaatt tactat         226

<210> 3050
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
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2572

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<400> 3050
gggaaaattc cagattatgt agctttacat gttagggacc ctaaagaaac aaggttgagt 60
actggtaggg tccctgaaaa naatttagtt tccagaccac agattgactt tgatggttan 120
gattttatna nttaaatata tcaattttta ggtactttgg tatgataaag ttgtattatg 180
attnataata acaagtctta atttgaggct tactcacttg aggactttgg tacaanaatg 240
ctctttngct gttttttcctg accaattttc nctctgaatg caaaagggtc atatntgata 300
aacactgaaa ttgccaca   318

<210> 3051
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3051
gcggcacnag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaacccnaag tgnnntngtt ctccgc   116

<210> 3052
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)

2574

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c


<400> 3052
gatcntaccc attcagacag atgctgtgnt gtncctcana accatngtca ttgtt        55


<210> 3053
<211> 351
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c


<400> 3053
gtttggtttg agccatctcc ctccactcca ttgcaggctg tgcactaaac caaggtactt 60
gctgctgtct gaaccatgtt gcttctacat cccatgcatg tgcacatgct gtatctactg 120
tctgctttgc aaacttttac cttccttccc gcgagccttc cggggtctta ccctttgctt 180
ctccctcccc tanacattag taaccccttt ctgtgtaagc attaccttca ctgttgtact 240
gtgttacagt tatttgcatg tctgtcctat cctaantgaa ctaagtgcca cttgattgct 300
cacaaagcan tttggantag gacaaattga agaaaaacct gaaaagttca t            351


<210> 3054
<211> 328
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (201)
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2575

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<400> 3054
gattttattg tttccatttc attttcccat atattgaaaa gaacagggcc atgaacagtt 60
cttatggaat atggtttgat atatattttg ctgagttgga ctaacaccat ttgtttttgg 120
ttacattcca ctaacagaac atggcaagat aagtttatgg tcagggttgg ttggtgatcc 180
tcagtgttgc tgcgcagtaa naaggtgagt ttgaggtgag aggaacaagt angaaagaat 240
gatcccctga accacctcct cactttctta ctttcaaccc cacctangtt ttgtgaacct 300
ggacttggaa aatgttcggt acccagtc                                    328

<210> 3055
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3055
```

```
ctccaccaaa ggggcctttc gctcnaagga actagtggat cccccgggct gcaggaancc 60
cgcacgagcg aatccntaat ccttctaata nctntcctct                         100
```

<210> 3056
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 3056
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gggggatctg cnagtctaag ttcctctcac aaaaagggaa caaaaggccc agctccacca 60
acggtggcgn tcgctctaga actagtggat cccccgggct gcaggaatcc ggcacgagta 120
aancctnaca naaan                                                   135
```

<210> 3057
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<400> 3057
ggtcccctgc tnaccaaatg nacagctcta ntcccctgta cttctctggg gttngcctag 60
ttaaacgnat atgctngggg gaggagctcc tggcangact ccacctgtaa ggantcataa 120
gacatcttng anngggttcac ccttgctctg acttgncccc atacctac              168

<210> 3058
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3058
gcaanaagtc tgatggccac ctgantgcan gtgacaagga ccngacacan ccc          53

<210> 3059
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
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2580

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<400> 3059
gaaaaactan ttggttttgt ttggtcagtn ctattgaatt tgtttgtggt tttaaatttc 60
ntnaaaattt ctacttttat ctatttccat tcatctatnt gtgtttattt tgctattttt 120
gtnctgtttt tttaancccc ttganttaaa aacctaaatg cccaaaataa cttgtnaggc 180
tataaattnc cctgantatt gcttcantng tatcacaaaa gttttgaaa          229

<210> 3060
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3060
gtctggggcc atccatgnaa aaacaaacna cccggggcac attgggtaaa ctcnctgtac 60
gaaaaat                                                        67

<210> 3061
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c
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2581

```
<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 3061
gctcgtgccg aattcggcac gagggggggcc cggtacccaa ttcgccctat agtgagtcgt 60
attacaattc actggccgtc gttttacaac gtcgtgactg ggaacccnaa aannnn     116

<210> 3062
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
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2582

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 3062
agttcgattc ctctctaaca ctggaatgca ctggaggtct tggcacatac atttttttgca 60
tgttgactca gtaaacatac catatatatg actctnatac tgattacacg tagtaatcag 120
natgataatg aaatacctat aataaaattc ggagaaaagg anagtaaaat ttatcaaaat 180
atttgtccnc ccnggaggtg tatttcctct ttataatgtt nctctctatn gcatag   236

<210> 3063
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 3063
aaaaaaatga agtaactgat ttnctaaaaa aaaaaaaaaa aaaaattccn ncntta   56

<210> 3064
<211> 515
<212> DNA

2583

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<400> 3064
gcagaattta aggagccact cattctcagt gttgtgcaag ctgatcctgc aattgcacag 60
agtaanagcc tctttaaatt ttgcattcta aacacctctc ttgtcttgtg ttagtcaana 120
acctgctgta ctagtaggta aaatgcatac tttaacatag ttaccaaggt cattatattc 180
tcanagatcc tttgtgccat taagtaattt gatttttata tgccaaatcc ttttgatttt 240
tcttgttttg atttcctatt gggccatttt tcttttcttg taaaaccgta ttgctgttaa 300
taaaaattat ccttgaatat tgccagtgtg tggataacat ccatctgtta ctactgactg 360
cttactcntc tgtcaaatta ttgaaggtgc tgaacataat gaagcactta gtcaaaaact 420
ggantggttc caatntncat ggaaggaatc cccgaacttt acaaattccc ccnctaattc 480

2584

```
tcaattccaa aatttccatt attctggact gggcc                                    515
```

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<210> 3065
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3065
aacggcacna ggggggggccc ggtacccaat tcgccctata gtgantcnta ttacaattca 60
ctggccgtcg ttttacaacg tcgtgactgg gaaaacccaa agnnt                    105

<210> 3066
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
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2586

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<221> misc feature
<222> (380)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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2587

<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 3066
gtgacctctt ctccttggtg agcatctgtg acttaagtaa tatgatggat ttngctgatt 60
aaaanattct gttttncctg gagtgtctga aacataatta naaaaatatg ggtctncatg 120
atggttaaaa acacctttgg gactanagca aatcactgtt tttaatatga caanattgag 180
gctatataat ttaaatccca tttcactact cctaagccaa ctttctgaaa ctcttaattn 240
aactatcctt tgtnaggcaa aaaattcctt tcttttcant agaaattaat attagccttg 300
aaaaaatgac ccttctgata ggttttaaa ataattaact ccaaantgat tttatttttt 360
tcccaaatan tgggttgtan tttggcgggng gaaaaccnta atttttaaac attgtgttcc 420
ttatttccca tttttttcccn ntncttntan aattatattt tatattttgc tttcttcccc 480
naaangattt taaacccca tttnttttnt ttccttataa aatcncngtt ngttnagtta 540
tt   542

<210> 3067
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>

2588

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<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2589

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<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<400> 3067
ggaatttttt ngtcaaagta ccttanaata ttatattgaa gtttngttat ttgcatactt 60
attaatttnc agcacacagt caggagtacc ttanaatatt atattgaagt tttattattt 120
gcatacttat taattttcag cacacagtca ggctctcatt ttgtgttttg ttgaaatagg 180
accaggaata ctgagcancc caaaatgact tgtatgtagc tttaaaatgt gctttagttt 240
tttttcaaat ttgtttncct aaggctaata tnanatgttn agcataaact tacattttgt 300
tttacaaaac tatatnactg aaaaatttgc ccttgccaat atgttctgat aaatgaaagg 360
tgattatttt acattaacat aagtgttgcc ancttgatgt ttgtttgatt ttaaaaaaaa 420
```

2590

gtgagtnact gttttaaaaa aanaatatta tcttttaaaa aaaaatgttt tggtctntca 480
atttgaatcn aatatnagtt attaatcacn anttatatag ctttaattta agtttttgan 540

<210> 3068
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)

2591

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c
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2592

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<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<400> 3068
gcctcatcct ccccaccttg ccacttgggg tgttggggac ttcaggtgag gctcatgcct 60
gttgggcctc tgtttttctc agaacgggga cnatcatggc ccccgcctcc tggantgaag 120
gctggggaca gaattagagg acccaggtac ntgctcagca ggaagccact gatctgtggg 180
accctggtcc cggtgtcttt gccggcctca cacccgcttc cctctanttc cagttgttcc 240
tgagtaaagt ggaaganacg ttccantgta tctgctgtca ngactggtgt tccggcccat 300
cacgaccgtg ttgccancac aacntgtngc aangantgcc tggacanatc ctttcgggca 360
angtnttcac tgccctgcct gcgctacaac ttgggcnnac tatgcctgca ngttaaacaa 420
ctctgcaaac gtcctcaacc actctccccg gctacggnat tgccggtgaa ctccaagcat 480
tctcganagg ggttttgcta aaaactntcg aagggncntc accggactta attt       534

<210> 3069
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<400> 3069
gtgacatttt tacattcaac tttaatttaa atgctgaatt taaatttaaa tgctgaaaat 60
ttatttaaac acttaaaatg atattagaan aggtatttta tgtttttaaa canagatata 120
tttcattttt atatgcagtc aacanatcac atgtgtatgt ctcttatgtg tccctgtgtg 180
ggaatagctt gaattactac ataagttctc tganaatatt aagttcattt aggggaacag 240
```

2594

```
gacatatcta tatgaaaaac agaaatnata ctacnaacaa aagagagatc acgagataac 300
atgttattaa ttctcagtga atgacatgtc atgaatcatc agaagagatg aggatatggg 360
aaaagcttta tgaaagtatc ngaacataag gaagatcggt tngttaacag aagactttca 420
ttgtggtatt anttatatga ttcatgttaa atntatcata gtgaaattat gctcttctta 480
cttgtaattt acaaatattc ttaatatctt ttaatcttcc ttaanaaaaa accngggc   538
```

<210> 3070
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 3070
gctcgtgccg aattcggcac gaggttttac cctactcacc aaacgcctca accgcctttt 60
catcaatcgc ccacatcact cgaanangtt aaatttatgg gctngaaatc attcccggct 120
taccctttca acgccccaan ttgggggggcc ctcccaaata atttccnttt ttaaatcttn 180
ggcccttcct ttccccttta acnaacaatt ncccggggggg cncaaaaggg gccctttaat 240
tt                                                                  242


<210> 3071
<211> 64
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3071
gttcagttnc attttactan tcaatcttac gggtntacac atcctttaat tatactngtt 60
tnta                                                                64


<210> 3072
<211> 427
<212> DNA
<213> Homo sapiens
```

2596

```
<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
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2597

```
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 3072
aaaacattcc ntttgaaaga tgtcatgcta ttgtataaat gaatnctcct ggaaaggatt 60
gcctttccta aagaaaatat ttattagtgc caaataattc aaatggtata acaaagtgaa 120
gtgaaaaaat cagtatgtgt tgtggtanct gcttggatag gggtaccatc ttgtctggga 180
ntgtatacct atgctagttt cctccttttt attttttgcc ttcattcttc tgaatttaca 240
tatttcctaa aaatttccaa attgcttttc aggaanattt caaggcattg gggaaggtta 300
tgaanccnga aggaattgaa aaccaaaata attaatttta taaattaaag ttaccattac 360
atccanaatt ggcctgaaaa ttccccncc tcacncttgt ttgtcttggg caaatgttta 420
nttnata                                                          427

<210> 3073
<211> 217
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2598

```
<222> (213)
<223> n equals a,t,g, or c

<400> 3073
aaatttctgg gattcttgaa agcatgggct ctctccgcac tgagtctagt ttcactgctt 60
cttactggtt ttaatcttta atgttanacc tatgtttatc ccttattaaa atttccccct 120
gctttaattt caatgttcca atgtcaaana tcttataatt cnaaatgttc tcccaagggt 180
gggtcntaat ttttttttaa aattttanta aanattt                           217


<210> 3074
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
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2600

<223> n equals a,t,g, or c

<400> 3074

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ttgaatgcat gtacanatac ctatttttc  atctcagttt gtaacccatg catttggggt 60
tggagttggc atgcagtgaa acctacagta tttatcaata tgtantcagt aactgtattt 120
ttgatcagct tcctttactt ccctaacatt tttaggtaaa aacaggaagt cttgttcctt 180
tttnctcccc aaatcattat gccctgtctt tttgttattc taaaattaag aaatagggtc 240
ttaaaaagcc aaaaacttcc catgaagtga attatantaa aggctttcct tgggatnaaa 300
aaatcagggt taaaactgtg ggccaacaat attttccaaa ngnacaaaac anctcctatn 360
gaaaaaaatt ganaattgan tatatgaacc aaacatntac tcctttccca atattgctaa 420
aaatcanttc ttccattaaa aactaatctc taatgaaant aattttcnna aactatgaat 480
taaaaatttt ttaatggttt tccatctgan tcctgaaacc caaatangt            529
```

<210> 3075
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)

2601

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c


<400> 3075
naaaatatnt attttttaaaa aaccanaaag gtatggaaaa aggattgctc tcgacgttaa 60
aaacatcagc ttttctgttt ttttncacca tataaattan agtntnctnt cgaanaatgg 120
gtggtggtta tggtacanac cataacaggc tactttgctg ctacagtaag gcntgaaaaa 180
nttcagcgaa ttttactgtc ttgcanaatt tggggattga cnaaatggaa aactgctata 240
taatnttcgn caaaaatgat tgcattgtgt gacttatatc ctnctattta ttggcttgag 300
tgcanggana ttttataaaa aaatctggtt tgggttatca aanatcttng antggggatc 360
aaanaatgct gggaaatttc ngagctaaac tggaattaat cttaggaaac t            411


<210> 3076
<211> 56
<212> DNA
<213> Homo sapiens


<220>
```

2603

```
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c


<400> 3076
gcnnctccag gggggggnccg gaaccaattt cgccctatan tgattcctat aacgat        56


<210> 3077
<211> 103
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c
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2604

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<400> 3077
gcggcacnag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaaccaaan nnn                    103

<210> 3078
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 3078
gtgagattgc aggcgtaatt aaatgccttc ttgaggactt ttataccttc ctcttgaana 60
cataaatcca nagcttactg gtggttgtct gaaaaanatc acatcttgta ataggagtca 120
tacataaata tttctganat ctccctcata cttaaccacc gtgcctggaa aatgcanaca 180
actgtattca gtaaatggta tttgaatata agtaaatcaa aagtgtcgtt tccatanatt 240
ctgtagatgt taccacttan aataattacc tgtctaaccc ttaacaaatt ctaccgtata 300
ttctcaagaa cttttgcaaa caccggggat tcccaaaaac aatgttggga attgttttcc 360
aattttcctt ttgaaaacct ccaaaaattt taaattcatt accttttac ctnccanttt 420
tt   422

<210> 3079
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<400> 3079
gcggcacgag accttactac cagacaacct tagccaaacc atttacccaa ataaagtata 60
ggcgatagaa attgaaacct ggcgcnatan atntagtacc gcaagggaaa gatgaaaaat 120
tataaccaag cataatntag caaggactaa cccctatacc ttctgcataa tgaattaact 180
agaaataact ttgcaaggag agccaaagct aagacccccg aaaccagacg agctacctaa 240
gancagctaa aagagcacac ccgtctatgt agcaaaatag tgggaagatt tataggtaga 300
ggcgacaaac ctaccgagcc tggtgatagc tggttgtcca aaataaatct tagttcactt 360
taaatttgcc cacagaacct ctaaatccct tntaaattta actgttagtc caaanaagaa 420
cagctctttg gacctaagaa aaaacttgta naaanantaa aaatttacac catagtaggc 480
ctaa                                                              484

<210> 3080
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 3080
gcttagccaa accatttacc caaataaagt ataggcgata gaaattgaaa cctggcgcaa 60
tanatatagt accgcaaggg aaagatgaaa aattataacc aagcataata tagcaaggac 120
taacccctat accttctgca taatgaatta actanaaata actttgcaag gagagccaaa 180
gctaagaccc ccgaaaccag acnagctacc taagaacagc taaaagagca cacccgtcta 240
tgtancaaaa tagtgggaag atttataggt agaggcgaca aacctaccga gcctggtgat 300
agctggttgt ccaaaatana atcttanttc aactttaaat ttgcccacag aaccctctaa 360
atcccttgta aatttaactg ttagtccaaa agaagaacag ctctttggac ctangaaaaa 420
accttgttaa ananagtaaa aaatttaaca cccnttagta ggcctaaaan c   471

<210> 3081
<211> 103
<212> DNA

2608

<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3081
gcggcacgag gggggagcccg gtacccaatt cgccctatag tgantcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaan nnn   103

<210> 3082
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c


<400> 3082
gctcgtgccg aattcggcac gaggagaaat cgtggnatga aagananagt accagtgatg 60
acttcttatc cctggagctg ggctttcact gctacccata tcccagccct gcgagtctgt 120
tctagccagc acagacaccg cagatccgga actgaatgtt cctaaatggc gcagccaatc 180
caggcttttc anaaactggg caaaaacatt aaaatgggga caatcgggtc ttccgcagtg 240
gtccaacaca ggatttcttt taaatgtttc aaaaacatgt ccttaaaact tcancctgct 300
tcttagcnag tgggccagtt ttgcttaaaa ctggtgnggg ggcnggggga aaatttttta 360
aaaantgcca aaaa                                                   374


<210> 3083
<211> 516
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

2610

```
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
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2611

<223> n equals a,t,g, or c

<400> 3083
gctgcaaatg cttctttaag caaaatataa gtgtgtatct tatagaaagt aatgcaatat 60
caccagtctg aggtttggag tgtattaagg tacttggttt ctggaaatct ttttaagctt 120
ggaaaccttt aaacctgcga cttaaaaaag gatctacagc tatctnagta ggtggccttc 180
tgtgtcttgg ctaattttaa agtgtggtgt ttgtttctta cgcaaaaagg aacaaattta 240
aatcactagg tactcaacca acagatttca gtgtggatta nttaagaaat aattgtagtt 300
cttgtgtggt ggcacaaatt tttttcccta cattttgttt atgcagactg tcttntatnc 360
cttcatcctt ttcttttttt ccctgaanaa angaaatcnc aattttgttt attggatgct 420
ttgaaaaaaa tccgaaggga aagaaaaaac caaactgact gtnaatactt tcntgaattn 480
gataattttg gctnaaantg ccaggcccca tcctgg   516

<210> 3084
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3084
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaccnaaa   99

<210> 3085
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

2612

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<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c


<400> 3085
gcacgcctgg ccaagaataa agtctttaga gttggtaatg tnnactattt cttttcctgc 60
tgtattaaat tcattcattt aataaaataa tatgaattgc atgcccacag tgtatcaaac 120
ctggcactgg gcaccttgtt gctgtaggtt cagtgagcca tggcctctgt atcatggtcc 180
agatcatgtg tttagtggga gattaaacaa attantcatt gaacaaatca ctacaagtag 240
tantgatata aaanaaaagt atagtttcga tnaaattgaa caatgggagg tctaaataaa 300
tccattcana cttgaanaat ggcaattatc tganacccaa gatatggaaa aatnggtaaa 360
aggcatccct ggctcttcct taacacacta aatatctgct ctcttaccac acccgtactt 420
atgcaaattt gttcaaaata atcattcccc ggacttcaaa tcc                  463


<210> 3086
<211> 523
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c
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2613

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<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
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2614

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 3086
ggtttgtcaa cccctgcttt agatgttggg ttttatgtca gtgggcctca atttcaggtt 60
ttgagaaana caaaagaagg ggttggctca ttggaatcag ctggacagct tttcaaaagc 120
tacacacctc cctctctcct tcttctcatc agctttccct gagaaaccac tgtcttaaac 180
tttatgatcc cagttagtct gatttcatta actgatacag atngtttgct ttcattaact 240
atatttggcc tctgttaaca tatcttaagt tatgtttnaa canttttttc ttttannagg 300
tttgttggga aaaaaaattt tttccttttt tgaaaaagaa ccaaacaact nccngtnctt 360
angtttcctg ggaatctcca ntggggttna aacnaatccc gggccttgaa tccccaccaa 420
tactcttctc ttgggctctg ttttattaat aaaaaggaac ctgggaaaan aacaaattaa 480
tnttctttaa anaataacac tcccnaccac ctgttcnttt tcc   523

<210> 3087
<211> 351
<212> DNA
<213> Homo sapiens

<220>

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<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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2616

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<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c


<400> 3087
nccccgttct tgctcttgac cttnncatta aaatgggggg ggggctctt nccaaaaaat 60
nccactttct tcccaagggg ggaaaaaacc tcccggggg cccttggngg naanccccc 120
cccctaaaaa accctttgna ncaaaacccc ttacttttcc cccaaaatgg aagcnttgnc 180
ttttgnnggg ngggccaccc nccaaaccta aatgattttt ncttcnaaat ttncttncgg 240
ggaatncaat ctaattggan gttttnaaaa gccaaaggga accttccccc aanctttggt 300
taataccctg gtttgttccc atnatgggat cttgggttca acttttttntt t         351


<210> 3088
<211> 544
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c


<220>
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2618

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<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2619

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<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
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2620

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c
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2621

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<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c


<400> 3088
gtgacctttg acatgtgtgc accttctgct tctccagata atctggtatt ccatatgaan 60
aatgaagatg agaaacatca ctntacaaac cagttanact atccccaatt tgggttgcat 120
ttaacttgaa agccaaaaaa aatttgggnt tcctggcctt cttgccaaaa gcttaaaaag 180
ggtttgaact ttttgttgaa aanaaaaacc aantttnaaa aaaacntggt tctttccnna 240
aaaagaaact tttaggggct tgggnaaccc nccccnaaa aaaaanttan aaaaaantnt 300
tggaattcnt ttttcccaaa aaacttgggg naattttttt tnaaanaaa aattcccctn 360
naaaaattcc ctttcccct ttttggggg aangnnaaaa nnnnnnaaaa ntttnccccc 420
cccccctttt tnaaatttgg aaaaactttg gcccccctt ttttgaaaan tttttaaaaa 480
aaattttttt tggggaaaaa tngccccca aanccccccc ctgnaatttt tgnaaaaatt 540
cttt                                                              544


<210> 3089
<211> 587
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

2623

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<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c


<400> 3089
gactttccac attttccctc ttgtttgagg tcctgttcca accttcattt ctgaaactgt 60
tctanagcac tttgtctttc tcgtanttca taacttaccc cttcagtcta gaattagaat 120
tacattatct gttttactac tttactagac tgtaagctcc tanaagataa ggactaggga 180
gttcatctct gtattccacc agaaggtaca gtgactcata actagagtct ttanatgaaa 240
cttactgagt tgaataactt aatatatttc tgttttcatt cccaagggan gccatgtctg 300
gagatagacc ttgaatttaa taaattttag gcactatacc atttcagtgg anaaaattgt 360
tgggaaattt gggggggatng atatataaag gggaggagtt cactgggcca ntttgaangt 420
gcttccattg gtctggggtt actaaccatt tcttcctgaa tggtgcctag tatatcccca 480
acagtttgtt tcctatnccc aaaaaattta tatnaaattt tcntttcttt gcaaaaactt 540
gttccttcct tccattcatg aaatcntncc atgctaaatt ctaattc          587


<210> 3090
<211> 106
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (101)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 3090
gcggcacgan gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aacccnaaat nttnnc   106

<210> 3091
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

2625

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<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<400> 3091
gattgtatac gtgattcgtg caacagcttc tgaatttttt cctccctcac ccaccttaca 60
nccattagtc ctatnataat ttaatttggg tttgttggta tagaaactgt atttgcacaa 120
taatgataaa gccactcagg ctcatctagt cattncctgg atttatgtgt gtacgagtac 180
ataaaaataa gggcactgat ncgtntggta cttgtctnaa atggttattc ttcagtngtt 240
caaaggtaca caaaatgctn ttttctttat aaggtaaaaa tacttggagg ttataagaaa 300
ataactctta actanctnac tttgantggc tttgatattt ntttctcata ntggaatcca 360
taacctt                                                       367

<210> 3092
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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2626

```
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
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2627

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<400> 3092
gcttttgagt tagtctatag aaaggaatcc tttattcttt attgcagagc agtgataaaa 60
taattttatt gtactgttga taccatgctt tttctttatc caagaacatc cctattaaac 120
aaacatgaaa gaaaataatt gatttataac cctttttaaa gcagaggcac ataagtctat 180
agagtggtac tgtnagtgta tgtactanan naacaaagga aacctgtctc agaacatttg 240
gatttggttg gaaactttttc attttctgtc tcatagagcc caacttactg agtggcactg 300
cccatantgt gaacaaaana gtgtntaaag acgggactgg acatggaaaa ctcaaaaaat 360
cctttctctc tcttaccttt gtgcgattga accatcttac ctatnacagt gaatcttaat 420
natgcantag tntttctcnt gtntccttct gaaagaaaat ccgngttgtt ttattcttgt 480
aatattctgc tctaataaat atgtaactgt attcntagag aacgatttt   529

<210> 3093
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)

2628

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<400> 3093
gctcgtgccg aattcggcac gagctgcggt aggggcgga aatccttgct aagcttctat 60
agctggggga ttctccaatt aggtctagga ttttgtggtc tcatatcagt tttttgcttc 120
tgaagtcttt catggtacan aaatggggan agtatttgtg gggggttgtg ccacatganc 180
gaatcaggga gatgagaaaa tgcatggata tattcaggaa ataatgagta nccagttggg 240
taaacatatc tatccatcta aggtagggtg ggaacacctt gaaaatggtc atgggaattt 300
attanaaacc atcaacaagt tggtctgggg atccaaaaac tgaatgaatg ttngcctgtg 360
gatttcanan caattggcag cagtgccaaa ttccccggtc ttgggccctc ttcaagtctc 420
ncctgaaccg tggcctcacc gagtcaaaan ngagttntct ccgctgcacc aaacacacct 480
ncaccaccan ntggttttca tttgacgccc aacacnccca tgaacanact tggaaatgtc 540
cattcaaatg aacccctaag cctn                                        564

<210> 3094
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
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2630

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c
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2631

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<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c


<400> 3094
gctcgtgccg aattcggcac gaggaaagtc ttttaggtga ctttcagaac cagaatcaca 60
tatcatctgc agagctgtta acctcatttt ccaaattcct atgacacttt tcacaagagt 120
tatgtttgcc ccagagatct taattcagaa ctanggtcct tcacctttta agangtggan 180
ctacatgtga ttttcctgac acttgagatc atttgatggt gttaaaatgc tggggtaggg 240
```

2632

```
gttgggaaat gggaaatggg agatgggggt angttnacaa aaaaagttct tgantaaang 300
ctaggaagaa aactatctga ngttacttat ttgcctaatc cttctatatt agaattagga 360
aatgtaaatt agtctccana tccttgtgtt gncttcttaa tcccaccgta nccatgacag 420
acaaattctc accctcncct gctnantgtn tgcaagttag anaanacccc aaatcccccc 480
cctttttggaa cttcaaattg ggggggtccc aaaacaccnc cggttcatat ttctaaacan 540
tccanaatcc n                                                       551
```

<210> 3095
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

2633

<400> 3095
ggtcatgtgt tctcttttga actgttcagc ttttccgtag gggggaagat cagtcatgag 60
aagcagaaag taactctacc ttccttgatg ccagggagct ntgatgagaa agaaatccta 120
ggaaaggacc agttcccctt attccaactt agcatcactg aatttgtctt tggcaaatgg 180
gctttcctca agtcctgctc tgtgtttcag caaggacagg aagtanactg cctcttgtgt 240
tacttgaaga ncagtgttag gggagtgcct angggctcaa ggaagtantc ttctttctgt 300
taacggttgc ccacaggtca gggaccttta ttaagcaaan atttcctnaa attnttcctg 360
gggaaccc   368

<210> 3096
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>

2634

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<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2635

```
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 3096
gcggcacgag tgtagttgta tatncacgat gtnatttaat gctaaacagt ncttacagct 60
tnagggaaaa ncataaattt ntagttaaat ngccttcata ctgtggattt ttcctcctac 120
taantaatat gtnggaaatt aagattacac atgttctggg tcccctcaaa ccctacattg 180
ctacagttca ctntagcaac ncatntcgtg gtgatngggg gatntacgta naaacntata 240
naagttnttt taaattttat ttattaagga agnanttccc ccaatctgca taaatgantt 300
atnactgatt ttatcanaat atctgtatta aaggttccag aaaaaccc          348

<210> 3097
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c


<400> 3097
gtgctttttca cagtaggcct gatgactaaa agatatgctt tattacacgc tattttcacc 60
tcttgaaagt caaaggtgat gattaatttc atttagcagg ggaagtggaa taatatcttt 120
tgaaataact aagtccacta aattatacag tatgctattc tggttctaag tacatattan 180
tcccttggca aatctgttct ttcaaagcat accttcccca aatgagccta cctacttctt 240
aaaaaacata ttacacaatg tggtantaat angtgttaag gaangtaatt ttttccatag 300
tgggtatgcn aacntttcnt ttgaaatttt tccttanatt taaagacttt ngggaaataa 360
aaattngcag ccaaccaaat tccttgaata gaattttatn cctactttgg ggaaaaaatt 420
attttttgtt tnccaaaant tattttttagt tattccttta gaaaatttga aatttttancc 480
cantttaggg cttttaattg gaacctttnc ccaaagttga aaccntttac cttgaaaccc 540
ccaattttttt ttttttttncc attg                                      564


<210> 3098
<211> 115
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c
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2638

```
<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 3098
gcggnacgan gggggggcccg gtacccaatt cgccctatag tgantcntat tacaattcac 60
tggccgtctt tttacaacgt cgtgactggg aaaaccaaaa cttnngggat cnaaa     115

<210> 3099
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
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2640

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<223> n equals a,t,g, or c

<400> 3099
gtgaatcact gaacactaag ctgtgttttc ttgaagccct gcaaactgaa gctagacaac 60
ttaaacttca gaagaaataa cagcaaccta tttacatata taagctactt tcatacctga 120
ctggtgatgt atggacatca gagtaatatg gcctatatca gttttcatg attgttggtt 180
ttttattgtt gtttttctc cctacctctc cttatttct cttcctagga cgtgagactt 240
cacaacctgc taaaaatgag cttccctaat aatatgggga cctacctgtc tangaacaaa 300
ccatcctagc cattaaagat tagatnaacc tgagaccaga gatcnttttc ttctaaaata 360
ctttctccga aagatcttaa aaagacaagg ganaatgttg aaggaaaata atcttgggac 420
ccactctctg ancaaaggaa atcactngga ctgntaggaa ctctcctctt ccatatccct 480
cccnaggatc ttctatctct ggaagtataa ccaattcntg gttcttnctt acgaatcccc 540
atcatttcct gtccttccct tgnnaccttc ctcctttnac cccttccatt a          591
```

```
<210> 3100
<211> 104
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c
```

```
<400> 3100
ctcttatatt tcccagtctn atctgctgga atnnctatnc tactatcaga ccgaaatctc 60
tacaaaatnt tcttcgaccc cgtgggaaga agatacccat tcta                  104
```

```
<210> 3101
<211> 79
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<400> 3101
ggcctcttga nctatnccaa tgagacgctg gtantcacta agtatgattt tttnaaagta 60
ttgttttata aaacanaaa   79

<210> 3102
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

2642

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<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (419)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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2644

```
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (589)
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2645

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (640)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (681)
<223> n equals a,t,g, or c

<400> 3102
ggattctttg gcttataaga cacagcatat agaaaattta gttattccca ttaggctgcc 60
ttggtcctag agaattaatc atttaaaaga acctctcatt aaatatgaaa gattttataa 120
tttgcaaaca cttaagctgg tatgcaaggc aaatgttcaa agaatttttc agaatttgtt 180
atttaaacca ttaattagaa actacttatt tctgaaattt ggcataggct tgaaggaaat 240
ttgggtttta ancattttat tcctttttac tgtctaccaa aggggggctta ccccngccaa 300
aaattttgtt ttnnnaatcc naacccaagg gcatnanaaa ggaatttttt ngtttggtta 360
cctttnnnna aaaaacccc aaattttttt tttttgaaaa aatttttttct tttttttttna 420
aaaaagcccc tttanttttt ttnaaatang gnttttttta aaaattggnc cccnnntttt 480
ttantttaaa nttttttttaa aaaaaaaaaa ttttaattgt tttttnnaaa aaatttnccc 540
ccccttttaaa antttttccc cacnnaggtt tttccccngg nttttttnana aaaaaatttt 600
ttttttttaaa aaattttttnt ttttttggggg gttttttttan tttnccccctt cccttttcccc 660
aaattttttngg tttaacccct nttttttttccc ccccaaaatt tcccctttccc cgtttcccca 720
aaattttccc ccca                                                734

<210> 3103
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c
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2646

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<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c
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2647

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 3103
gctcgtgccg aattcggcac gagcggccct gcctcccgga ccaccctgcg gggcgcacca 60
ccgatctggg gtgcggggct cggcctccct gcgctcctgg ctgacggtgt gaccttggga 120
ccgagacgtg caactgtcca aggctctgtc ctatgccctg cgccatgggg ccttgaactg 180
gggcttccca tgggganctgg tacctaantt ggagctgatg cccctggana caccgcangc 240
cctgcccccn atnctantcc atggtacatt ctggaacact ggccatccat cctactcaaa 300
ngcctgtcct gccagggaag gacccacatt cnccttgncc cangaantgc ctggaaaacc 360
c   361

<210> 3104
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 3104
gcggcacgag gtaactagtc ttgagttttt tttttttttt ttanntttaa atncnttttn 60
c   61

<210> 3105
<211> 347
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 3105
gcttacgttt atacttgaga aagtgttgat acagtggcct gagtaggttt nggatttggt 60
ttgcagactg gcttacagcc ctctggtaaa agaattgcag actttcangt gggtaggatg 120
agggattgct gctgctctag gtgcaaatgg attctattta tgtggttttg aataataatc 180
tgggatgttt gcaaacttta cagttcatta tctttcccta taaacaagat gggttggggt 240
tttctagctc tacantgagc attantccaa ccangtttga ntacagctgg agcaaaaaaa 300
ttacttgttt tttttttttt aaatgggcaa ggaacaantt tttttttt   347

<210> 3106
<211> 419
<212> DNA
<213> Homo sapiens

<220>

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<221> misc feature
<222> (137)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c


<400> 3106
gatctaatat ctttggtcca gtttgagatt cgacttaaaa agaatccaga agacactttt 60
gcagagacac agaaagtaac aaagtacaga tgtcatagaa attgtagtcc agcagtacca 120
ggggagatgt actgggncca aagactctga tcctctagac tacctgtaga gcaagatatc 180
tttccattta tatcatctcc atatggtgac tagtactcta tgatgcatag gttaaatccg 240
aggttcccta gctttggaat attanatnct attnaaagaa atgagattgg gaacattaat 300
gtcacaaaac ttatttgctc agganttggg cagaactgct ctcttaacct taggctgtac 360
```

2650

```
cacctggctg aagtttagtc ctcctacctc cttggaatgc ccncctnctt cccccntn   419
```

```
<210> 3107
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 3107
taccgcctgg taaattttcc aggnatttaa gtcccttttc cttntggtga aatacccccc 60
ttgttaaaat ttcgcaacaa aaaaaagcna ncccgttcna aac                   103

<210> 3108
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c
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2651

```
<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<400> 3108
ntttattggn tgtacttgtc aaccaaanaa catanctctt aaaccagaan tttaagaatc 60
ttaatgggaa atttttggac ttgaatctgg gttcaaaatt tgggtngccc tttccgttnc 120
aagtttctta aantttctcc ggttttcnaa naa                            153

<210> 3109
<211> 472
<212> DNA
<213> Homo sapiens

<220>
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2652

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<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2653

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<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 3109
nngacntgct gatattcctc agngacgtnt aaggtagaac gaaaacacct ttatgagaac 60
cccatccatg gaatgctact ccattactga ctttctcaaa tgaattgaga ngtctcaaag 120
gcagagacta tgagttactc atttttgtat ctcctagcag agcacagctc tgttgcggat 180
gggacccctc acaataatgt ttacatagtt taattaaatt cagaaagtta tcattcattt 240
gcagaanaaa ttactggtaa tgaagtacta tgcagtgttc cattctgcag aagactaata 300
cctgctaaaa catttctgtt taatatttga taacaaatta tcccttncca aaggaactat 360
tgctaacttc cccaccccct gacatttaac cctccagata cctcctggga caatggttat 420
ggcaactgga atctntatnt cncaaatgaa anccctcccn cgaattgaat ta          472

<210> 3110
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
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<223> n equals a,t,g, or c

<400> 3110
gtcggcacga gggggggccc ggtacccaat tcgccctata gtgagtcnta ttacaattca 60
ctggccgtcg ttttacaacn tcntgactgg gaaaacntaa ant   103

<210> 3111
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

2655

```
<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<400> 3111
gcgcnnccnc ggtggcggcc gctctatatt aatggatcgc ccgggctgga tgaatgcagc 60
ccgagccact tnactaccan acgccttagt ccaaaccatt tacccaaata aagtataggc 120
gattggaaan ngaaaccgtg gcgcaatana tatngtaccg caagggaaag atgaganaat 180
tat                                                              183

<210> 3112
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 3112
cnttttcagg cctcacacaa tttttntatt aatgancntg atcggaccca agaaaaaaca 60
aatcncctcc atggggggttc caattttcct ttctccaggc cnantttaaa aanaaacccc 120
ctccccccga ggttcccctt tnaccttccc aagttcc                           157

<210> 3113
<211> 77
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 3113
```

```
gggaaatgga gacggtcatc cctgtagatg tcatgatgca aggggggata aaggtcaccn 60
ttncangcct ngntgga                                                77
```

<210> 3114
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3114
```
ccttgnggnc tcttaatcag aggcttccgc ggggcntaac gntctaaatt ttagtggntt 60
cccgggctgc aggaattcgg cacggggccc cccnggtccc ccanaatttt tt         112
```

<210> 3115
<211> 530
<212> DNA
<213> Homo sapiens

2658

```
<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c
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2659

```
<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature          .
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<400> 3115
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2660

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aggtcccagc cccaccacng angcggccgc tctactctna atggatcccc cnggctgcac 60
gaattcngca cgagcctctg tatagcctcc cagggctctc caaggaagat ggctgagctc 120
catgggcagg gtgttctcac accaccacag atgggacgtg tgcattctcc ttnagacctc 180
catgcaggcc gtccccctgc agccgacctg cccccccgtc ctatgttgca catggtgggc 240
cagagtcnct ggctggtaga atgcttccgg ggctgtgttt acnggcgtgg tgtcatgtgt 300
gaacatcatt ccangaaaag gggcctcctc aagggtaagt ggggtctnna tgttaacctc 360
gcagatggtg gccgcaccng gantagaatn ctngggctgt caccacggac atacatcctt 420
cttccgagcc tcgtgatctc tccttccctg cctccaaggg gaagctgcnc ccnnatctgg 480
ccatgctcct gggcctccac tatgtnggtc tacatcggcc ttggaaaaan         530
```

<210> 3116
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2662

```
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<400> 3116
gcggtcctca ggtctcctcc ctggcaagat cagccagagg gaatgcgcct ctgccacatc 60
tcctcgtcca cccccctaccc ccggctccgt tgtcctttcc ctcccgggac ccgccgcgcg 120
cccgccccgc gcgcccgcag tcccccctctc actttctccc aacctcgccc tcccacagac 180
gtgcccggtg ccggtaggct cctctccgca nggcaactgg ctttgggacc ggatganatt 240
tgangcagca gcgaacctgg gaccgggctt gtcgtgactc tggntcncnt nctgccccgg 300
cagcctttgt gacacgganc cctccggctg cctgctcctc ncncctcgca tgggtctgcn 360
acattgtggc aattccagan nctttattg tttgaaaaca gatacncnca attggctttg 420
ccgtgcanga atttaaaaat ttcanntcaa ctctgacact catctctctg cttgtctctg 480
caaatcagcc tcanaatgan ttctgatttt ntcaaacang cgttatttat ttaaaaattt 540
tccaacntc                                                        549

<210> 3117
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2664

```
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 3117
gctcggatga caccctggcc tgaactgagg agatgaccag ggatgctggg ctgggccctc 60
tttccctgcg agacgcacac agctgagcac ttagcaggca ccgccacgtc ccagcatccc 120
tggagcanga gccccgccac agccttcngg acngaaattt tgggatnttc ccaagccgac 180
cttccctccg ccttctccca catgaggcca tctcaggaga tggaaggctt ggccagcgcc 240
aagtaaacag ggtacctcaa gccccatttc ctcacactaa ganggcagac tgtgaattga 300
ctgggttgag accaaaccgg tccctgtcct ctagttgcct tctttanacc tccgggccca 360
tcctcatccc tgantggccn aaccttgctt tcctgggctt tgccagatgc ttggtttgtt 420
aagttttttaa atatattttt gttctttgtn gaaaaaatnt ttttttttgc aaggggcccc 480
ccaaggcttg gganaaangt ntc                                           503

<210> 3118
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
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2666

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3118
nataaagtta gacgctattt ctgatacntg gnatatatga ttcatcctta ccatntatcc 60
tcatatcana cttttcaatt atgtaggtgg tttaatgtgc atgctgttna gtnaatncct 120
naggaagnat ctggganaaa tatccctnaa tcctanagtn ttcaataaaa catgcctgtg 180
actcttatgn attaaaggtc attttgtctt ctnatnaaat ttctggcnca tatnttcttt 240
ccttgatttg cttaaacatt tt                                        262

<210> 3119
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (86)
<223> n equals a,t,g, or c

<400> 3119
tcaattggaa tttttttngga ngaagatgac caacggattt gactgctaat atnggattcc 60
ttaccttttg ttctnaataa gtctcncata aatgagtgca                         100

<210> 3120
<211> 176
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<400> 3120
tttgtatgtg gattttattt ngttttacta taataattga ctaaccaggg gtttangaga 60
aaaattttgn nttccaaatg ttgntcctca ccaggcctat atattcatca tttattggat 120
attcattctt nagttaagaa tacnggtatt attattctga tctcaactcn cntatt     176


<210> 3121
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3121
gcggcacgan gggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aacccaaaan nnn                    103


<210> 3122
<211> 125
<212> DNA
<213> Homo sapiens

<220>
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```
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3122
aatattctttt ttggggagan cggaatttac cccccttggc ttaatcntan attcttgncg 60
agattttcct ggaaacnttt gggggggggga aatttttggg gttccaggtg gcgggaaccc 120
ggaan                                                             125

<210> 3123
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2670

```
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3123
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa tnncnnn           107


<210> 3124
<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3124
gtctaggact ggtttgggtg ctttaaaata gatattgtag ttcagtgcgt gctacatggg 60
ggganacggn an                                               72


<210> 3125
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (390)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c


<400> 3125
gcccaagtac caatgtacaa actgangagc ttgggcaaag tgtgtcattt atcgttctgg 60
ggctagggct gagtcaggtc cnagaactga ccccctctca gagctgggac ttcatcaagg 120
ctttggctct ggtttgaacg tgntacttgc aagctcttgt cgtagcaccg ggagactcct 180
ctcccagcaa ctcaggactc ctaggaccag tgaggcctgt gctatcatan atgaattatg 240
antggatcca tctganctat nacaantncc acccatnaac aacactgcgg tgctaagcta 300
aaatgcctga agaccatana cagagagaat gggattttta aagaaacatt tattaataca 360
```

2673

```
aatcaaaaca tgtgaagctc agaatgaatn tgggaaacat gatngggaac tgggattcac 420
tgaacacgtn ctgcctaagt caaagggcan aggtccggtg tgaccaacat caggcgcntg 480
gggctctcca tggcactct gcactnaaac aaattgcgcc nttctgtatg gtgcttgttc 540
ntaccactgc ccacanggct cttattattt t                               571
```

```
<210> 3126
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
```

2674

```
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<400> 3126
cncaaantta ccntgggaaa nttccggaac aacgggctgt gagctccncc gaggtggcgg 60
ccgctctaga actagtggat cccccgggct gcaggaattc ggnacnaggc cgtntatgtg 120
nggtcaa                                                            127


<210> 3127
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 3127
cctggtntta cggagacttg cccgcgntaa atttctcaaa attcggcnan aanggccttg 60
aantccaccn aaggtgtgcg gccgctctan gnactagtg                       99

<210> 3128
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c


<400> 3128
cnctggtttc ctcgnnntaa tgnccaaaat tagggaaatn nggctggagg nccaccgaag 60
gtgtgcanac gctctagaac tagtggatcc cccgggctg                          99


<210> 3129
<211> 101
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c


<400> 3129
ggaacaagga nctganagct ccaccgcggt gagcggccgc tctagaacta gtggntcccc 60
cgggctgcag gnncaaaccc actccacctt actaccagac a                       101


<210> 3130
<211> 157
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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
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```
<223> n equals a,t,g, or c

<400> 3130
nacaanngct ggaactccac cnnggtgagc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggaat tcgagcacga ggaggcgttc agctgcttca agatgannct gancatctcc 120
ttcccagcca ctggctgcca aaanctcatt gaangtg                          157

<210> 3131
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c
```

2679

```
<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 3131
gnggtacgag gaantacata atcanacttg atcanactac gggcaanctc aaaacgttta 60
ctaattgcca tcaactccaa tttaaagatt atggccacat actactttga aaagtttgta 120
gaatggtgtg ttttataacc cataaatggt gtgtgtctac ataccanaat attttaggca 180
aagaaacata tttagatatn ttttgacaga ggatcatnag natttatgtg tttgaatctt 240
```

2680

```
aatgagaagc angtaaattc taaattanaa cangtgtaaa gaaagaaggg aatgttggtt 300
aagaatttaa tctgaattta ttcaagttac ttttgttcta ctggnannca tagtacttta 360
gtttatatct tgcaagagat aaccctgctg tgtancataa tntgggtaaa atat        414
```

<210> 3132
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3132
```
agcctggttt ctcgctttaa cngccaaant agggaaaata ggctggagct ccaccnaggt 60
ggcgagccgc tctagtacta gtggatcccc cgggctgcng ganttcggga cg          112
```

<210> 3133
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 3133
ggccttgtca tcgcaagcat ttgacanaga cttgcttgtc ttgggcctgt cacctcctga 60
aaggctgctt tagctgtgga tgcccttgat taagggagag agcgcctang agctgcctgc 120
cccacctggg gtgacggctg tagggctggg tctatgttgc aagccctata tcctaccatg 180
cagtggaaag tgcttagctc tctccctcct gacctctggg canccagtca tcaanacaga 240
nagacnntgn cggnatgtgg gcancatgcc cangttcctt gctgactcan cacttatttc 300
tgtggtttta aaaaagaatt taatgttttt ggttgtatnt ttttgggggg gtgncggtgg 360
ncagaaacat gggggtagtt ctgagttgnt aagaaatgtt tctgnaatca a           411

<210> 3134
<211> 92
<212> DNA
<213> Homo sapiens

<220>
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<222> (16)
<223> n equals a,t,g, or c

<220>
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<222> (26)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 3134
gctcgtgccg aattcngaac gaacanaaca tttactggga ngcatataat ttctattcaa 60
ggtngtattg aatgatggtt angttaatat ta                                92

<210> 3135
<211> 99
<212> DNA
<213> Homo sapiens

<220>
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<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
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<222> (56)
<223> n equals a,t,g, or c

<220>
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<222> (60)
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<220>
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<222> (75)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 3135
atacgtttcc tgggncttga tcgcgctaaa tcctcaaaat taggntaaca nggccngcan 60
ctccaccaag gtgtntggcc gctctaggaa ttagtggnn                         99

<210> 3136
<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 3136
ccccactcag cccagtgtgg ggtagaagca acgtntcant natctccanc tcccaggaac 60
actangaata ctttggtttt agccaaatca tcac                              94

<210> 3137
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<211> 414
<212> DNA
<213> Homo sapiens

<220>
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<222> (15)
<223> n equals a,t,g, or c

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<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
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<222> (37)
<223> n equals a,t,g, or c

<220>
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<222> (40)
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<220>
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<222> (237)
<223> n equals a,t,g, or c

<220>
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<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2686

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<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
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<222> (275)
<223> n equals a,t,g, or c

<220>
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<222> (292)
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<222> (296)
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<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 3137
tattcagctc taccngcctn atntagggaa agctggngcn cctgcaggta ccggtccgga 60
attcccgggt cgacccacgc gtccgcccac gcgtccgtaa tagtaagatg ggcaaacctc 120
```

```
ctagtccttg ncatttagaa gctggctttt tctaagactt ctagtatgta tggaattctt 180
tgaaaattat attactttna tttctactga ttttattttg ggatactaag gatgtgncca 240
aatgattcgg gatactaagn atgncatcgn tttgnaaatc atctagtgat gnttgntatg 300
acagattatc ctcaaagaaa catcagngat gatctggaac ctntaaaaac atctgttagg 360
angcaaaaat tnaaaggagc atttgggtaa taatcttaac ttttnggttc aggt         414
```

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<210> 3138
<211> 62
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 3138
ntaaccacnt aataatgggt ttncacacat gataaaaaaa aaaaaacctt ttacaaatga 60
nt                                                                 62

<210> 3139
<211> 379
<212> DNA
<213> Homo sapiens

<220>
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<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<400> 3139
ataaaaataa ataaaagggc cccacaaaat ccaggtaggg ggtaactgat gaactgatta 60
cctatttcan atttacgaat ctcaaaactc taagatagag attatggcat ctagtcaaat 120
actatttgaa atactacgta ctctcaaagt tttaataaca aaatggtaaa aattatattg 180
aaggttcagt ctcctcagat tcttaaagac tttgtgaatt atataggcag gatttaagga 240
tagcatctcc acctaatgag gtgttaacac ttgcttgggt tttaaaacgt ccagatcant 300
tcttgttgct tcctgaaagc atgggcttgg gtctgccaca tgtttggggc gcncnagcat 360
tntgggaang gaaaaaagg 379

<210> 3140
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 3140
tcttacgann cccaatccgg aaagctggta cgcctgcacg taccggtccg gtaattcncg 60
ggtcgantca agcgtccgct cacgncggtc ggaaggaaaa tcccncaatt cangaggaaa 120
ctgaatcac                                                         129

<210> 3141
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c
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2690

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<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<400> 3141
cccacgcgtc cgtatatatg tgatnctgan tgttnaaana ncaactctat tnnacccgta 60
naatgtactg gatntcaaca cacagtccan agacagtcat tctancaaaa gcttagtgtn 120
tccctataac tgggtattct ggtagggtna agtaangcat cctattccat ttcatgctgt 180
ggtaacagca agataggagc cgcacaggtc atagccagna ntnggctatg cgtcccttca 240
tntaatccca ntactccta                                           259

<210> 3142
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c
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2692

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<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<400> 3142
cccacgcgtc cgcccacttg agctcatttt tgctcaaaga ccaactctat taaacccttta 60
gaatgttctg gatttcaaca cacagtccac agacagccat tctatcaaaa gcttagtgtt 120
ttccctatga ctgggttttc tggtaaggtg aactaaggca tccttttcca tttcaggctg 180
tggtaacagc agataacagc cgcagangtc atagccagca cttttctatg cgtcccttca 240
tttaatccca gtactcctan gtggtanatc tatnatnttg gtccacatga attattgaaa 300
antctgtcct aaattttaaa tggaacaaan tatgggtttg caatttactg gtggtggttc 360
ncaggaaata ctacgacaat nggantttt                                    388

<210> 3143
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
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2693

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<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
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<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2694

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<222> (420)
<223> n equals a,t,g, or c

<400> 3143
aggatattta gtatagcaat atctttggat aaaataatca acaaacaaaa ttatgttgtt 60
ggaaaccaga aaacgacacc actgatgaat gtacttaggc tacttaatca agaaatagtc 120
gcaatgattc tacttctgtc ttctttttta aaaaaaattt aattagtttg ttttatttta 180
gaatagcatt actgattacc tttcttccct ggaaattaac acattcgtta naanacttaa 240
ggatgcatcc aatgaaatac tttagaattg aaaagaagga aatgaattac ttgaattctc 300
cagaantntt gtgtctattg gtgcnccnac nccgtttaaa tgctatattg ccnctganaa 360
ctgatgccct tttgtgaaac acactgtnac aggccccgtt tacctccttn ttttaattan 420
aaaaaaaaaa gggggggcgg                                            439

<210> 3144
<211> 79
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 3144
cccacgcgtc cgggtacact tacctttttt tttttttttt aaattttccc ccatccagna 60
aaacaacntt ntaatntnt                                             79

<210> 3145
<211> 247
<212> DNA
<213> Homo sapiens
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2695

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<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3145
ccccattttta taaaaaaggg gaaaaaagcn tgggggtntn acgggggccc cccccagggg 60
ttaaccnnag atcccgggga aaatttcccc cgggggggttc cggaaaccca acggccggtt 120
cccggcntaa ttcaatacta annnaaaaaa ccccaaaccc caatnggaac cccctttaaac 180
caangggggg ggccctcctc caagcccctc ccnaaaattg gaaccncccg gggnccgaac 240
ccaatgt                                                         247

<210> 3146
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c


<400> 3146
attggttgtg ttttcaacca tcagatgttc ctgggaaatt gtcaaccctc tgatgcagta 60
gaaacctgtg tatttgattt gaacgatgaa tccaaatgga aacccatgag tgaggaagca 120
attaaatctg tgtgtgctcc tggagctaca acatcccttc ctccctttcc acctctgtgt 180
gcatccacaa ttgaacgcgt cagtaacaag taatgaaatt gaaaatgcag ctgaggctcc 240
tggtgtcagn aacacaggga agggatcttg ggcctcacta ctggtntggg aaagaaccag 300
ctctcctacc cttttatcac ccagcttttg ggcntcttat gaatttgaag cgttcaacaa 360
gttatatcag cgggnaatga aaaatttcca gaatgccata gggaagggct gttcctnnat 420
ggtcgcacat ttaaaaggtt ccccaatacn tttggtgtta tagaaatgnc agaaattgca 480
ttngc                                                               485


<210> 3147
<211> 242
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3147
cccacgcgtc cggccacgcg tccgctccag aatgaaaana atttctacac cnanacttan 60
acgacagtnn atgctnaant ggcaattcct cntttaagct atttttccca accttcaggt 120
tggtcagccc tcctgatcct cacaggtgga taagtgaggn ctaccagaca ggggagccta 180
agaaacttgg attgaccttc taatctaccn ccttganttc agnacaccat tacnatcggg 240
ga                                                                     242

<210> 3148
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c
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2700

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<400> 3148
accaagcacc tcaagctggg aatggttgtg ggaggaggaa agtaatcaag agatgtttca 60
tatgaaaata acaatatctg caatgagcct taaaggatga acaatattcc canaaacana 120
ttttggggcc nagatatgaa gcatggaaca aaggaaataa tattctgaac atnatggaga 180
aagcntcatt aaagtgcnca gaagtngcaa tattcntgaa ntgtttgggg aaacaaacat 240
accattgaat gtttctagaa cctacaaggg accccgnaaa cctngaanaa tgaaaaagaa 300
taaggaaatc caanttccat naaa   324

<210> 3149
<211> 99

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<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
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<222> (15)
<223> n equals a,t,g, or c

<220>
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<222> (35)
<223> n equals a,t,g, or c

<220>
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<222> (36)
<223> n equals a,t,g, or c

<220>
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<222> (54)
<223> n equals a,t,g, or c

<220>
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<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 3149
gactgtcgcn ccctntctcc gttcaaaaaa tgggnncctg ggcccaaaag caantntttg 60
gtccggaatt cccgggtcga cccacgcgtg ngngcccat                        99

<210> 3150
<211> 105
<212> DNA
<213> Homo sapiens
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2702

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<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
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<222> (29)
<223> n equals a,t,g, or c


<220>
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<222> (33)
<223> n equals a,t,g, or c


<220>
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<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c


<400> 3150
aangaagtcc cccctaatta atatcggtnc ccngggaaaa tttttagggg aaggtttttc 60
ggggtgtcan tttttaangg gcccatattt tttacgggtg taana                 105


<210> 3151
<211> 274
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (9)
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<220>
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<222> (10)
<223> n equals a,t,g, or c

<220>
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<222> (72)
<223> n equals a,t,g, or c

<220>
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<222> (107)
<223> n equals a,t,g, or c

<220>
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<222> (111)
<223> n equals a,t,g, or c

<220>
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<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2704

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<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<400> 3151
ngggganagnn ggtacgcctg catgtaccgg tccggaattc ccgggtcgac ccacgcgtcc 60
gatcctagca tnttaaaatt cagttgttac attgggatcc cacatantat nttgtcatct 120
atatnagggt ggatgagggc tnaaatttca tcttgggtct nggaacagat tcatgggcac 180
acattttata acgattggtc ctcagttctg caaattaaga anctccaatc ttnttgattc 240
cccaccggta gnaacannat gcattgagta atat                              274

<210> 3152
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
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2705

```
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
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<222> (422)
<223> n equals a,t,g, or c

<220>
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<222> (430)
<223> n equals a,t,g, or c

<220>
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<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2706

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<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 3152
cacgtttcct tcatttttgt ctatacagtt cctcaagtag gatatttaag taggaaaccc 60
ttcttttaa taaaatcatt tgcagaattc caaaatacag aacagatgaa agcaggtctg 120
ctctgtgacc tgtgatggag tcagtagggt cctcaaagcc cagcctcttc agtcttcctt 180
cactggcccc cagggagccc taggctaaac agaccatcat gtgaaaacca ctgttacagg 240
tgcgagaatg gtgtttaca gagcagccag aggagangca tagaaaagga aacagatnaa 300
atganaaact anttaggaaa agaaagcttt catgaacact ttactatgtt gccacangct 360
ttaaaggaaa tccnccttan gttattctca caanaaaccc tattttaaat cngttcatta 420
tncccatttn ttaggcttga anggaacaca atcctttgga cangttnant taactcttcc 480
caggtctcac aantaaatnt caaangntga atggaaccca ggnttggcca actcaggggg 540
tgttct                                                           546
```

```
<210> 3153
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
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2707

```
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<400> 3153
gtgcttttct ctttggcaga gtttttcttt gctctgatct tggagacatc cctctgccta 60
gtggaaacat aaggaataca gaaagaatgc aaggagatag accaacgtga gattctcctt 120
catgcactca agagaacgat gttgcaggaa gagctagtct ttcaggctgg gctggtgacc 180
tgagaaagaa tgtccagctt ttcttctcca cttggcatat caagagccag gcgtggaaag 240
actaaaacag gaaatgttta taaaaactgt tcacggttcg ccaacaagaa attggttaaa 300
gttagcaaaa atggggattg ganattccca ggaaggaaag atgcccgggg nttaattggg 360
gaaaaattgg gaaccctgaa acccaggaaa gttcaagccc caagcccaac caggntttcc 420
ctgttttttt ccaantgaaa gaaagttttng gggccccaag gaatgggatt tggaaaaact 480
tttcccccca agttcccccn gaaacttaat taaatttggt tgccttaaag gantcccaaa 540
ccccgggg                                                             548

<210> 3154
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<400> 3154
gtattatcaa taacaataaa aataaagcaa atacattaga cattaccctc ccatcaggtg 60
cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120
agggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatgta ttatcagtaa 240
cagtaaaaat anagcaaata ccngaaaant aaataagggg gggccnttct naaaaatc   298

<210> 3155
<211> 215
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<400> 3155
tccttnncgc actcctgtac cgaancattg gagatccctc ctgtgtgtag gttaaagagc 60
caaaggccag atggtttttgc cgantccccc ctgctantgt gggggggancc cactttctgc 120
ttgtgangcc ctgactggga accanttggc ctggaatctg ggaaggggggc tcccttccca 180
cccttgttct tcctcccccnc ccacangnaa tcctg                          215
```

```
<210> 3156
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c
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<400> 3156
cctttggggg ggggcncccc aaccgggccc cccttttggg cccnaaaaaa aaagatttnn 60
aaccccgggg ggggtttccc tnttggggg gaaaaaattt ttcccccccc ccggggggg  120
ggtttccgt  ccaaanaccc  ccaaaccngn ccgggttttc ctnc                164


<210> 3157
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
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2712

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<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2713

```
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 3157
aagagaaagg ctctgagtaa ataggcaagg cccggggtga gcaggggctg gaatccgaaa 60
gtgggaggcg gcggcccccc accctccata ntccttccgc cctctgctan caccgaagtt 120
tagcccanga cgggggccgt ttaagggccc ggccctccgc cgccgcgcac gtgancggca 180
ccaggaagct ggctgggcgc agccttccct gaagctcgct ggcaccggcc gcacgcntcc 240
atcccgggcc tctgancgga aggggaaccg aagctagaag gaaggcgcat tctgcccaan 300
gtcncggcag cngcagtttc ttgggcncca agtngtgatt ggaattactc ccacgaagaa 360
agggcgttaa caagaactcc taagcgaaaa naaaaacttg aacanttgtt aaaancttaa 420
ggttttgggg cttttccttga aatttncccc caaggggggg ttttttgaaa aaaattggggg 480
gaaccaaaag ggtttccctt taaaaaaagg gnaacccggt ttaggcnttt nccttgaaa 540
ggaaanggtt tatncc                                                 556

<210> 3158
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 3158
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2714

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ggaactctcc gacaggcaat acctgctcca gagagccaaa tctggtnggc tgaactttta 60
tcangcctgc attgcagtnt gatttctncc tcttcgcagt cctgcttctg tn            112
```

```
<210> 3159
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 3159
cgcagatgct ggagcagcga ctggcccggg aagatccgtg ccctggagag aagcaaggag 60
cagctgctct cgganagagc tggacagaag tttgtattac aggctcgtac accggaggtt 120
```

```
tctgatggag canacnactt gaggaaggcc ggccttgctg aacacagtgg actgaccggg 180
tctggacccc tcccccacng gtgactgtgc actgcagcag aganaagang aaaggaatct 240
gaann                                                             245
```

<210> 3160
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (92)
<223> n equals a,t,g, or c


<400> 3160
taggggtggt ccatggannc aanggagtaa ggacagccca aacgcntcta tgngtgtcta 60
gcntatnang gtttcaccgg tcattccgtc angttctgt                          99


<210> 3161
<211> 305
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c


<400> 3161
acngttacnt taccangttt ncccgctcat ttatctcgtt ctgctagggc caccactaat 60
aagncgtccc atgagatcgg ggtggcaata ctacggcatt aatacaggtt gagntgacaa 120
agaaaaggca acagttggtt acggtggcca gggtgaccgc cacgaagagg ggttgcggta 180
aaggagggtt agcgnagttg ttagccgccg cggcctatca agccagttat gagaactacc 240
tattacgcgt ggcgtattgc catgttntag accatgaagg agnanntgcc ctnagaagca 300
gtgag                                                           305


<210> 3162
<211> 107
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

2718

```
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c


<400> 3162
aggggggccca tgtgatagcg atacaangnc ccaggacatc tacgagttca agttnncaat 60
tacacaagac ancagttggt ctacgctgcg ctcagccgtg tatcgct           107


<210> 3163
<211> 153
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c


<400> 3163
aaactgttta attaaaacaa agcatcgnga aggccacggc tggtgttgac actatgtgat 60
ttctgcccag tgctctgaat gtcaaatgaa aaaattcaat gaaacgccgg tnaaccgcgn 120
ganttnctat aatcctcttn aggtatccaa aat           153
```

```
<210> 3164
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<400> 3164
cnctccnacn nataccttc caggttnacc gttcatctat ctcgttccaa atactttac 60
ttgctaattt ttttatttgt cccactacta tgtttatttg cccttacgtc acccagtgga 120
ccctgagttt catacacgta gctgtcactt tgcacgcatt ttattatctt gtgcgcattg 180
cccgcacgta ctagtttaa gggtgattat agttantatg ttgattagtg ctagcgatt 240
ggttggttgc gttttcctga tggcccacgt actggtggtt tgtgtttaat gtagtgtttg 300
tggtgtgttg cctggtgaca caacagttac aatggctcgc tactggtgtt gtgtactata 360
tgggccctgc ccagcctang cccctagaag ccacttgccc tcagtctgca aggtgntttg 420
tgctggttgc caaatncaac aacgtgaatc atnacaagag gccttgctna ttatgagtgt 480
gagtgtttga ttggccnctg tnttcctgcc aagtcaata                        519
```

```
<210> 3165
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c
```

2721

```
<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c


<400> 3165
canagctggt aaggccncac gtatcanncc gggaattctc nggtcgactc acgcgtccgc 60
gggactcctg gggtggttct cttcctctgg tcccttctgg ggaacctntt ntcccnaatt 120
tcttcgctgc ngttttcccc atcggttccc tn                                152


<210> 3166
<211> 287
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
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2722

```
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<400> 3166
gatnttgcca acccggatcc ngttgccaac gtttacccga tcatntatcc tcgttcanat 60
```

```
ttttcttttg cttttatttt aactacagcg gtttngtact ctgctttgca cgtacgtccg 120
tttttcgggt gctgtgttgt ttggggcgcg gttgctgtat ggtnactggt ggttagccat 180
gggttaccct atacgtagtg tgacttttta aagtagtgtg gtagttgtgc gcgcgctagc 240
ggnggaattn aagcaaagac annacaaacg tagatgggcc cctncta            287
```

```
<210> 3167
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c


<400> 3167
nanttgtcga cntgatccgt tnccaggttt acccgntcat ttatctcgtt cctacgccca 60
ctactgtgtt gcttatactg ttgtattttt gcaaaagcgg tcttgctgtt aacgggcgtg 120
ttatgtttgt tggccgtaac actattgtat actgctgcac ttcgttctga gtgctacgcc 180
gctgcaaatc antccacaga tgcatacagc acacttgtac tactggccta cgtgtagcgt 240
tttggattgt atggcgtgtg acttctactg gttaaattac tcttagggta acccanagtc 300
atatactact taacggtagg ccactgcccc tgcttatacg gccccgcctg ccggtgcccc 360
tgccccaggc caatgcgcgg gcccacttgt agtaggccgg agcttaacca anttggtgtg 420
caactaatac ngtggtgttg atcttaggtg ccctgggctt tgtgtccaac ttagcccctg 480
tggggcgtgc agccgactgg gtgtagttgt gggcctagcg caaacantcn tgttatgttt 540
agacggtgtt cctngtgccg gactttngcg cgttggggtg agatgtttta cctnactgcc 600
cca                                                                  603


<210> 3168
<211> 214
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c
```

2725

```
<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c
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<400> 3168
gcacacgcta caggncgtna acagttagcc ccacctagga cgggtacgnt ggcnccccgt 60
ttgccaacan gtgttgcgga ttgcacgtgt ttaggtatgt gtctgatatc canagctcat 120
gttatggccc gttngataag cagttaccac aatgcctctg accgccgctt cggtatancn 180
gancgacggt tgcaanccgc atgtcccatc atgg                               214


<210> 3169
<211> 108
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c


<400> 3169
gttnttcgtt ggatggttna ggtgggacac gggnanggatc ctggggaaat ggttanccac 60
ttttctcagt cggtcttact tggcccacca cgttganttg aacggnac               108


<210> 3170
<211> 577
<212> DNA
<213> Homo sapiens


<220>
```

2727

```
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2728

```
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
```

2729

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 3170
gcccgtcttg tcnacngnta ccttaccang tttccccgtc atttatctcg ttctaaaggg 60
aggtagagcc gggagncgat attactgtag cagttacaag ctagggagga tgggcgcttg 120
cccgtacaag gggcaaactg ctgctactat gtgaatgagc gatggaatgg gagacagcga 180
aaaaaaaggc accanaacac aacggacata gagtggctgg aaccgtttgc cgagaggggg 240
ccagggggaa gggccgcggc ccaatgcgag cagccaataa tgaagaagac tacgacgact 300
aaagcgnang tggttggcac tctatggagt tgggnncaac tgggtgataa aaaaactttc 360
tgggcaactg gnagataggg aggccggnag ggcagtttnc tagaagttgc gcactgtact 420
agnagggggt tgcgngnagc gcgacacaaa ggcacatntg caacgtggaa tgctaaagac 480
agccgcaatg accagggcaa ttggcgtgag cgcggagatt gcaagngccn aagtaggagc 540
tnagatncat tgnagggcaa aagctggatg cgtggtg                         577

<210> 3171
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2730

```
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
```

<223> n equals a,t,g, or c

<400> 3171
nttgncaacn natgccttcc angtttaccc gtcatttatc tcgttcttta tctcgttctt 60
tatctcgttc ttttcactct tctgttcctg ctattctctg tctgttcacg ggtacctgtc 120
gctgaactga ctcttcgtcg tcgtgtttgg tacgtcttag tagcaggagt gattcccatt 180
gtagtactta tcancacagc ggtgttcann gtgatnacag ttcccacagt ctccatcccg 240
gcgcttgcca ccgccacccc aacagccgta cgaccatnca accgaatagg cagcatgtct 300
gtaggccgcc aaagcttgtt ctgcaanctt ttcaccctca nccgattcaa actatacgaa 360
gtatgccgcg tcagaggcgt agccaatagt attgctacca nataacgggt atnnnacaac 420
tgatcaca   428

<210> 3172
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

2732

```
<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 3172
aaagcnctca ctatagntna aagctggtac ncctgcaggt accggtccgg aattcccggg 60
tcgacccacg cgtncgccaa attcatagag aataaaatta catgaaagag ttacaagctc 120
actgttttaa agacttgaca ttttttcattt agttttaatt tacagtactt atggagagcc 180
agcagaagac atcagagcac tcacttcttc ccatctttgt taaggttanc agaattaccc 240
atggacantg ttaggtgagg ctcattcgnc ngcnctgaaa acaaa          285


<210> 3173
<211> 203
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
```

2733

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<400> 3173
gnnagagngc ttccctcanc acgagcgatt cgcaacccag ttaaagctgg tacccctgca 60
ggtaccggtc cggaattccc gggtcgaccc acgcgtccgc gnnctcgtgg gcggccactc 120
cggtcccgac accnancctg ccggaaagaa cacccggaaa tgaaaggcca ccaagaagaa 180
angcactacc tnctangaca aga                                         203

<210> 3174
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
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2734

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c
```

2735

```
<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 3174
cgtntntata gtnaaagctg gtacncctgc aggtaccggt ccggaattcc cgggtcgacc 60
cacgcgttcg gtanaagatg aacaggagca ttatataagt gatgatttgg acattgaaac 120
taaaatggaa gaacaggaaa aaaaccctgc atcttctgaa cttgaagaac caagtttagt 180
ttgtgaggaa gatgaaatta tgaggtctaa agaaagtcca gatctttcta tttntcattc 240
tcaggttgag cagttagtca ataaaacatc tgaacttgat atgtctgaaa gcaaaacaag 300
aagtggaaaa gtctttcaga ataaaatggc aaatggaaat naaccagtaa aatcttccaa 360
agaaaatcgg aagagaannc aacatgaatc tnggagaata gtaagnctta tgataatgta 420
taggtngaat acaatgggaa ggatcacgaa tatcattact acagattaaa tttaaaanga 480
tgaatttgat atctttcgat gtacctgaga gttttttgata ttnaaatttt gnttaaaaaa 540
tattnttgtt ttn                                                  553

<210> 3175
<211> 88
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
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2736

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3175
gctgtatntt tcctcnggaa naatcncact cactattttg gaaagctggt nccgcctgca 60
ggtaccggtc cggaattccc gggtcgac   88

<210> 3176
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

```
<400> 3176
tgagtggaca tgcnatggaa atggattgng acactggtga atgaacagat gatantctac 60
gtactnaaga tgcatcaccc aanatgatga aaggtactgt ac                      102


<210> 3177
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<400> 3177
ggatgatgtt tactaacgan gaattttaca tccaaanngg gataggcact tggaccccca 60
ttctccaang gcccgggggg gcggnttccc atgggatgtg aaaggctggc cattattaag 120
tccctgtaac tnaaatgtca accccaccga ggcaccctcc cgtnccccag aatcttggnt 180
gttnacaaat nacgtg                                                 196

<210> 3178
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 3178
actatttttg nnagatggta ccccctgcag gtaccggtcc ggaattcccg ggtcgaccca 60
ttngtccggt ttnaccagat nctgacccgc gacggcaagg                      100

<210> 3179
<211> 506
<212> DNA
```

```
<213> Homo sapiens

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<400> 3179
gctctttaga tctacttgct tttctgcttt taaagattcc atgggagcag tgaggcttac 60
tttgagaata agggtacttt gttggataaa agtgaagcaa acttttattt tggcagtaac 120
ggaaataaag taaatatcac tatagcatag acctgtgttt ccaactcatt ttgctcaact 180
tttccagact tcctgagtaa acacagatgg gtttccactt attttcagt tttatgtaga 240
aagttcttta gactataaat tccacatgct acttggagtt ttcagtgttt gcttgattgc 300
atgccattgg aaggtcaaaa acctagattt agacattata aagatttaga aggtgatgat 360
gtgtagtaac gtgttttcat ttggctttat ttnggctttc ttgatggtaa ttctaaatgt 420
tttaattcan gtcttgacta aatttcctgg naattnggng gcagacagaa ttttgaaagc 480
cttctatttt taaatagcan aatggt                                      506

<210> 3180
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
```

2740

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c


<400> 3180
ggcggcccnt ttgggtcccg ccggggcgcc gggggtgcgg gagccggccc aggaggggggc 60
ggcagcggcg gagtagccaa gtggctccgg gagcacctgg gcttccgcgg gggggncgga 120
ngcngaggg gcagaaagcc ngcgnc                                      146


<210> 3181
<211> 416
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c
```

2742

```
<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c


<400> 3181
gcctatgcgt ccggtaccat ggaaaactaa atttaannna ccagttataa cagtgtttaa 60
tttagataag tttgagggaa aataatcant aggcaagagg aacatttttc ctgtantagc 120
tagagtgcct tgaaaaaatg tgtnggctat gtgaaggaat atttnaacta aaatggaatg 180
gtatgctnta tacccttaaa gttngaggag gatcttgata tgttttaaca ttatnatggc 240
anggaaatat ataaagaana aaaatattnt tctatttaca atttttanaa aaggtttaat 300
gtaaaaataa tntggatttg tatnaanaac aacacttatc gctatgtatt gtgttagaca 360
tattgtcagt ctgttgctac tgacttanat anttaaatgt tggcactgct gaaanat    416


<210> 3182
<211> 63
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
```

```
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3182
gagatagact ttnctnttgt aaagtaaata aattnttcaa aganaagcat tgcanatgga 60
cct                                                                63

<210> 3183
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c
```

2744

```
<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c


<400> 3183
gcccacgcgt tcgggaattc atgtggaggc caccccagct gcaagtgcct tccttggagc 60
agagaggcag cctcgtcctc ctgtcccctc tcctcccagc caccatcgtt catctgctcc 120
gggcagaact gtgtggcccc tgcctgtgcc agccatgggc tcgggatgga ctccctgggc 180
cccacccatt gccaagccag gaaggcagct ttcgcttgtt cctgctcggg acagccccgg 240
gtttcccagc atcctgatgt gtcccctctn cccacttcag aggccaccca ctcagcacca 300
ccggcctggc ttgctgcaga ctataaacta taaccactag ctcgacacaa gtctgcantc 360
caggcgtgtt ggaagcccgc tttccgggtt cggggaaggn ccccgggggc ttggggaaac 420
gccctggngc cctttccttg ngcccaaaac ccaaaggccc cccttttggc cctttccctt 480
gggcccttgn ttgnccgaac caaggaaact tggncccaaa                        520


<210> 3184
<211> 62
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c
```

2745

```
<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 3184
gtcgacccac gcgtccgtan aagagtaggt cntccagtgc tgctnntgca gacacctang 60
at                                                                62

<210> 3185
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
```

2746

```
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<400> 3185
catntggcng tgaccttatc tggangnacg ctggtacgcc tgcaggtacc ggtccggaat 60
tcccgggtcg acccacgcgt ccgctaagac ttacctgata tttcttagga tgtggacatc 120
atgtttgggg caatgtntcc ctcaccgcct ctctcatnct ttataccata aaagagtgat 180
ggcaatatgc tagctgaaat tcacccttcg atggtttcat tttcttgtct acaaaggcag 240
ggtgagcgac tgntgccctg tgatttctgg cactcccagt ggaaaggaag cagaggggcc 300
aagttatggc agagtgcacc cagttaggcc ttcgactaca aaagtatcat ggtttccctt 360
cctccccagt taccattctt tccctggttc ccatcccctt cacatccagc agtgngggct 420
aaccttcctt tgcnnatcct gggaaaacac atctttgctc cagtgcaaag ttagactgga 480
caaacaagcc ggtgtggang aagctttn                                  508

<210> 3186
<211> 91
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c


<400> 3186
acttttggga aagctggccc gcctgcaggt accggtccgg aattcccggg tcgncccacg 60
cgtccnttcg cctcaaaggc gnacaggtgn n                                91


<210> 3187
<211> 193
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (52)
```

2748

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<400> 3187
ggnctgnctg aggaggtgtg gacttttatn tatagatcta catanaaact gntacatgac 60
anaaaccaca cctaaagaaa ttttaagaat ttggcacagt tactcactnt gtgtaatctg 120
aaatctagct gctgaatacn ctgaagtaaa tccttganca ctgaagtctt tcaattganc 180
tggatgaata ctn   193

<210> 3188
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 3188
gtcgacccac gcgtccgcgg acgnntggga aaatatcata agatatacct attttaaaac 60
agaatggaca ccctatattt cagggctgtt gacaggcaca taagccctca cagtcagcta 120
gccattgatt ttcagagttt cttcatttac ttcaattatt gataaatatt caggattgct 180
agtaaatatg ttctttactc atgtgattcc tttaccatct tttttttagag gcattcagaa 240
gtccagtatt tcgacatgga acagataaga atggattcag cttgggtttc agtaaaaaca 300
tgcgacaagt ttttggtgat gagaagaagt actggttgct acccattttt tcaagtctag 360
gtgatggctg ctcctttcca acttgccttg ttaaccagga tcctgaacaa gcatctactc 420
cttgcagggc tgaattccac agcttaaaat ctcgaaaacc atnaagtttn ctgc        474

<210> 3189
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c
```

```
<400> 3189
ggctngatgg gctgactttg actcanaggn atngttcgga tttggcatnt caaaacca     58

<210> 3190
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 3190
gaacaaaana tggagagcta atttctgttc ctcttttgan nntgggttat gtnctagtga  60
gaggttcatc tgataaaaat caaatttcaa gtacaatatc acttttaaaa tatctaanan  120
```

2752

```
aaggatattc aataggaact ccattagatg gaccaaaagg accaaaagaa aangntaaaa 180
aaggactttn atatntatct caaaaaactt ctataccact tgttccagtt ggaatttcat 240
atagtnaaaa gtggatatta aaaaagactt gggataaatn tgagataccc aaaccttttt 300
aaaaagtnaa aatctttta agtgaaccaa taacaattag tgataaagat gatttanata 360
aatatacaga aattataaaa ccnaaaanaa angcgggccg ttcta                405
```

<210> 3191
<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 3191
```
gcagaactgt aatctgcgaa gatgaataaa caagcgaggt cactcttctg ggcatagaaa 60
atgctaccac gtggntaccg gntgaangan gnat                             94
```

<210> 3192
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>

2753

```
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c


<400> 3192
gttttttagga attaagtcaa actaagggat angggcctga gtggaagagg ctttgccact 60
gaaatgacgt gcatgtggca gccgccggaa ccagaggaca tgcagccgcg tgcggagagt 120
gaggcggatc cattacgggc acacagctta ccatttcctt ccagaattcc ttcttccaaa 180
caagctatac tgaaatccct ctagtaaaag attgagacga aacactaata gttttgggcc 240
aaaacgtggt ggagaagttt gaaaagacaa acatagcaac gtgtctttgg ctatatggtt 300
ccttgccctc cagcaagctt gaaatataaa aaggctaaca tgcaaaacta ggggtactac 360
cccctcccc cagtttttaa aaagcaattt ccagaagcaa acacacaatg gttcgacttg 420
aagtgtcggc ataaccattc agtaagaaaa gctagaatag taaacctctt ttctggntgg 480
gctatttatn aaacctaata aacatcaagg ancgnactca aggatgaaac tnggcaatgt 540
gtggagccg                                                         549


<210> 3193
<211> 99
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c
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2754

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<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3193
caaggagaat ctncgctcac tacnngggna naatggcccg ccgagcaggc accggnccgg 60
aattcccggg ttgacccacg cgcttttcac ccgatngcg                        99

<210> 3194
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<400> 3194
ttnagaacgt nttncggcac gcgctgcggn tcctcattca cctgcacnnc agggtggccc 60
catctaagct ggaggcgtng caaaaggccc tggagcctac aggccagagc ggaataggca 120
gtgaangagc tntactccca                                         140

<210> 3195
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
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2756

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c
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<400> 3195
gcggacncgt ggggggcggag gcagaggtgg ggctctctgg cagtggagtg ggtgctagag 60
gcaaacccct cccctgcagc ctgcttggtg gtgatgttat gctgctgtgt gtccttccac 120
tgaggcaggg gcacaggtgg cctgggctag ganggctgag cagcagagtg ccgagggatg 180
gagggagagc ccccatggga gggtgccagg gggctggctg agcagctggg cggggtccgt 240
gaggtaagaa ggtgcccggg ccagggggca ngagctctga tgtangacag ctcantccag 300
tcaangggtg ctatgaggac agcangggcc tncgagtctg gggtggcctc accccacaa 360
gcagtcctgg ctactcagcn gcactaccca taggggacnc ctgggcagtt tcttcaattc 420
ggtggcacat taacatcgnt tgaaactttg tnttttcttn t                       461
```

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<210> 3196
<211> 69
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c
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```
<400> 3196
gctcttcact tnnatngatg cttttagata tttggccctt atgtgggaag aanatattga 60
tctanaatg                                                            69
```

```
<210> 3197
<211> 275
<212> DNA
<213> Homo sapiens

<220>
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<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2759

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<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<400> 3197
antnataaat caaaaaaatt nggggggggcc accccccggaa agggcttctt ttctggcctt 60
gggcnaccaa gngcctcccc tcaaacccctt cccaagcttt caaccttatg gcccaagcca 120
agaaggggaa gaaagccccc gaagtngcaa nggaagaaag caagcanncc cgtggccccc 180
aaccgggttc aagaacccna aacccaaggt gccgcttccc ttgggggccc aaggnccctn 240
nattttnaag aagtggaaga accttgaaca acttg                           275

<210> 3198
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
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2760

```
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<400> 3198
tnntctatct tgcnaatccc gttcatantt aaagccagta cgcctgcagg taccggtccg 60
gaattcccgg gtcgacccac gctttcggtt ncggttgccc cctcctgtgg actgngggng 120
cccgtttgna tgagctcatg nagaac                                     146

<210> 3199
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (73)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c


<400> 3199
ttgnaacccc gttaaagctt gtacgcctgc aggtaccggn ccggaattcc cgggtcgacc 60
cacgcgtccg cnncgcgttc gcccacgcgt ncgcccacgc                        100


<210> 3200
<211> 451
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c


<400> 3200
gcggactcnt gggctgaaca ttagcaatgt ggtaagcact gcagtaggag ttttcacgtg 60
tctactcatg taatcctcaa tgcaacctta aagataatgc aagtaccatt gctctcattt 120
atgggtttgt gaatgctgag attaagaagg aatcgtgagt ctctacaagg ttggagactg 180
```

2762

```
taatgtgccc tgcctggctg gctctggctt cacactctgc attgtgtgtg cagggagctt 240
ctggacactc tgacgaggat ctggttacct ctgcacaaca cagaagacag gttgaggaag 300
acggaaagct gaggggcttc ttcagggaaa aataatctca gcgtancatt cctgtaagcc 360
tgtctncatc ttacttgaag ggacttgctt ggatttctnc aaatccatcg ttgtgttgtg 420
ccaagncatg actatttctc tctgngataa a                              451
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<210> 3201
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 3201
nggtctaggt gtcgtccgag acncttagtn gnactcacat gggaaccnct nctatatttg 60
naagctggta cccctgcngg taccggtccg gaatccccg   99

<210> 3202
<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3202
ttaaaatcat gacatgacat acttttggaa tttagtgccc atatgctgac agatgncnaa 60
angggtntat an   72

<210> 3203
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<400> 3203
ccccccggtcc ttttttttggg ggaaaaaaaa accccccctcc ccttttttttg gggggaaaaa 60
aangantaan ccccttcttt gggg   84

<210> 3204
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3204
gctnatgcaa ggtcannccc cttcctgggg gcctggttaa tgtggatgag ngaaggcctg 60
ggnccccttgc   70

<210> 3205
<211> 477
<212> DNA
<213> Homo sapiens

<220>

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<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2766

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<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
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2767

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 3205
ggcttcgntg tatttagtaa gcctttacaa gacttgttaa agatgtnatg agtgccccaa 60
gctgncgttc cttcccttcc tgncccacaa gctccttntc ctgaatttnc tacctaaata 120
ttaaccatat gcctagnctn tnaaactaaa aacttggacc tcatnctcaa ttattanctc 180
ctttcaactc tggagaccnt ctgtctggtc tnnctctaga aggttctacc gcataaattg 240
atntgtgctc cctgccctcg nactgcccaa gcccgggcct gcacatactc actggactgt 300
tnccgttttn acagatgnca gtcttcctgc ccctttcac actgcagctg aagttcaatt 360
acctnaaang acncncttat ntttcatttc cttggctcca aacctttngn ttgcctctaa 420
gattaaagct caanttctta acagtgtaca gtgtgcaact tccaaccttt ttatntg   477

<210> 3206
<211> 559
<212> DNA
<213> Homo sapiens

2768

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<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c


<400> 3206
ggcaaatttn ctgtgcaagc tctaagtagc aggtggtatt tccttaatat attgtttttg 60
acctttgggg aaattggtat tacgagctga ctttggaaaa ttaaaatagc atcaaggtcc 120
tacattttaa ataaaacaat cgatatctta atttttaaaa tcagactaga ttacgatacc 180
aggaaaagac atacatattt tgcttttatg tgttaaagtt ttgtaattca gggaggacaa 240
gaaaagggat atggtgcagc tgaactttct aattcactaa gacaggaaaa aaggaaggaa 300
aaaatgtata tttttaagtt tcaatttaaa cctttgctgg taactaaatg ctttgatatg 360
atcagtcata caaagagtta aattaagcat ggagctgttc anatggcaaa tctgcgttga 420
gctgaangta aaagacatct ggatttttca ttcatttgct cancagcact aaatttcaag 480
cttgtttttt tgttcagcat caaagaaaag ggtggtttat ggttatcgga ttttttttaa 540
cccacatntt tcatgaana                                             559


<210> 3207
<211> 410
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (170)
```

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 3207
tcaaaatttt tggctgtgtt cttgaatact atagcttacc ccaagaggac ttgtggggaa 60
caagaatgag agggtgaact agaaagaaag gtgattaggc attgtccacc ccaaaagcaa 120
ctcctctaac aaaagaagga gcttagagca gtttccatgg agaggaggan tggctgttta 180
tcatggctgg ccctntcatt agctcattac caaaaaacct caagggaaca actaanaaaa 240
ggttttggga ttaaaatctg tttaaagaaa tatccggaaa tagggtttcc cataaaaacc 300
ttgcccattt tttctaaaat ctgatttttt tccttntttt taacccataa attttttggct 360
ttattcntac atatnctggt attttgacnt cttttggcca aaaanataaa             410

<210> 3208
<211> 170
<212> DNA
<213> Homo sapiens
```

2770

```
<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature                .
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 3208
cttgntgact tnctcggaaa taccnctact atagggtaag ctggtacgcc tgcaggtacc 60
ggtccggaat tcccgggtcg acccacgcgt tnncggacgc ntngggtgaa aagctcctta 120
gccctggggc ttgagggngg aaaggggtag ggtgggtaag agtccatgga          170

<210> 3209
<211> 64
<212> DNA
<213> Homo sapiens

<220>
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```
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3209
gcggacgcnt nggcaagatc tacgaagaga gatagatcta ccgaagagag atagattttn 60
annc                                                              64

<210> 3210
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
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2772

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 3210
gcaaatagtn tatcaacccc agactatttg tttgacatgg gncaatnttn agaatatntt 60
gg                                                                 62

<210> 3211
<211> 80
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<400> 3211
ggtcttcttt aggtagcaga ggtgcagagg aggagtttag atgacntttg anacctcant 60
catnaaggcc tacagaatnt                                               80

<210> 3212
<211> 74
<212> DNA
<213> Homo sapiens

<220>
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<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 3212
gcttctgagn taggagaact tattccacct tcaaaaccta gtttgggctg ggtgcagtgg 60
ttnnactaat ncca                                                    74

<210> 3213
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c
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2776

```
<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<400> 3213
cttgctatag ctctgagcnn gtactcccgc aggnacccgt ccggaattcc cgggtcgacc 60
cacgcgtccg cccacgcttt tcgantacta tnctttacag ggaaaaaann gggctgttgt 120
gggcatccta tgcagaanca tatttncgct nggttcgaaa gattatgatg catcagctct 180
ctagcaaatc ttctttgntt cttttttacag cattgncctt gcttgnaccn ttngctgatg 240
gctgctagan tttaaatnta tcntgatcnc ntanttgata atattagtga ttccgatttc 300
agctntcatt ngctatgctt ttgctnattt ctcatgtaac atttggtnaa cgattccagg 360
aatatngaca cataggtggg aataa                                     385

<210> 3214
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 3214
gntctgtctg tattattatt cacctataat tagncattat gagataatga taatacagtn 60
ggatagtaaa gnttataata tataaatnga                                90

<210> 3215
<211> 91
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<400> 3215
gaaactatta cnttgtaaga actctgccta tgcttgctaa atatagnggn gaattantgg 60
tttactaaaa taancaggaa gaggggaaaa a   91

<210> 3216
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 3216
gttttcatct atcttggcag gaagtgagta tgcgacatnt aagattgaga catcaaaaat 60
tcacagcatg agcagattgt ttacagatgg ggtaactaaa aacaatgagg taaatgtggt 120
tgcctctggg aaaaacactg gaggcattgg aaagggttgg gttggggggcc tgttgttttt 180
tgcattcgcc cccttgagtt catttgttct ttcatctaac agacacttac tgtttgccaa 240

2778

```
acacatgtaa atgaaacgac tttactgaag atttgaggac gtgagatatt ttctgtcacc 300
acagtgccag atttaaaatt gaatattaga gaaacttgtt cttaaaactt tttgctaggc 360
actttatgcc aaccatgttg ctaccctctt ctctccgtcc tcttacattc ttn         413
```

<210> 3217
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2779

```
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<400> 3217
aggangctta anttatctta nnnaaacttc tgactatagt taaagctggt acccctgcag 60
gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgtt acctctctgc caagtttggt 120
ggaaaanngg ncaaanttna aaaat                                      146

<210> 3218
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<400> 3218
gacctctact atagntnaag ctggtacncc tgcaggtacc ggtccggaat tcccg        55

<210> 3219
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c
```

2780

```
<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
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2781

<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<400> 3219
tagcccangc tgggacgnct gcnggtnccg gtccggaant cccgggtcga cccacgcgtc 60
cgcccacagc gtcctggaat tttttctttt tgaaagctat gtaggtggac tttgngatta 120
tgtaagcata aagctaatgg dattggnggg agccccanct gagagcnggc angtgctgga 180
caatcttctc tcagccttgc tctgctaatg tctccctggg tgtaggctgg cctcntgctg 240
ctnntgttat gcancacanc aagataactg cctgctg   277

<210> 3220
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

```
<400> 3220
gctggcctgt ttttataact ttatttttca aatattaaca accactgctt tcagagtggt 60
tattttgtta tttttgaagc aggaaataac catttgtatt tgcacctgcg tattgcatat 120
gaattatggt atacttggca aatgcttttc ttttacctgt gaaaattctg aaagctggtc 180
caagctacat tgcataccaa attgtgctct tatatattat ttgcatcgtg tcctttttaa 240
tcaaatagca tgttttagtt ttattatagt aagctttttg ctgtaagaat ggcacttgct 300
taacctttna atggaccttg gaatctttaa attattgctt ttnaacattg gtaattnaaa 360
ccaaaattcn atttncgtaa tt                                        382
```

```
<210> 3221
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 3221
acncccantt gaaaccccnc actcattntn gggaaagctg gcacgcctgc aggtaccggt 60
ccggaattcc cgggtcgacc cacgctttcg caggagtctg ccacttgtca aagaaggngt 120
tnatcctgag tcttnccant cn                                           142

<210> 3222
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
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2784

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c

<400> 3222
gaatttgcnt taaggtcagc tagcatcctg ctggcaagcc nctgcatagc atttgtgata 60
agaaggacca actctaggct caatatgaag ggatttagtt ctgtaagcag caaaaaagct 120
tctttatcaa gtcatcttac ctctaattct tttccagtgt gccaactcca aagtcaacat 180
taaaaatgta aatggacctg tgtaaatatc acagagagct tttccttata catctcaatg 240
ctgagagtta aaatattccc aggttaaaat ttttttaaag taccaataat agagctaaat 300
acaatgacat ttgcttttaa aaggtggata ttttatttct gcttttttgaa aatacttatt 360
tagtattgac ttggaagcca atttgggtcc tttaataagt aaagaaaata atatgtttaa 420
aaatgtaaat gttttacaaa ttttgaaact ttcataanng nattaatcag aaaacaagcn 480
cattgccatt ctttgaaact catgtttcta gacatgacag cangtcaata aaaggatgaa 540
aacaagtgtc ttcactaagc cgtattggnc aataaatggg acccaaacgt tcaatctgtt 600
caanttacca aaggttcaaa aaatacgtaa tttagcangg aaacctttca tnccagtggc 660
tatcccagnc cncacattc 679

```
<210> 3223
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 3223
gcccacgcgt ncgattgggt ctttagcctt atgaattnga gctgcttatt taattggtgt 60
aatttactac atattagtac tatattcgta aggattttttt attaaccatt acagatttta 120
caaacagcta gttatatggt aaacagatta ttatgccttt ttgcaattct gaatatgatt 180
ctagtatttg tgtagatgta tttggtactt tttcccctaa ttccaacact agtttatata 240
tatagcgaat aaatctagtt gtataaattt ttaaatgccg tcagtagaaa gcacacaagg 300
```

2786

```
ttatgatttt  tttaattact  ggcttctgat  ttctttcact  tctgatcctt  ttctttttct  360
canatgtagc  tgagtcttga  tcattttaag  acaacgatgg  gtagaatttg  agaataatgn  420
taattntcct  tttgtaattc  anccctttac  tatgctttgc  cagaagatca  gaatctccat  480
ccttgggntt  nggataacca  tgt                                             503
```

<210> 3224
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3224

```
nacctggata  acccgntctc  gaaggggcgg  cggcagcggc  aagcggagga  ggcggaggcc  60
tgngagggg   cctgngaaaa  gggctnggaa  ggcctgaaca  gnggg                   105
```

<210> 3225
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

```
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<400> 3225
aaggcccccа gcaggtaccg gtccggaatt cccgggtcta cccncgcgtn nttttaagcc 60
ctataacaag ctaaaaaaca ggncaactnt aaacgaaaac cccgaaaact a           111

<210> 3226
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3226
gaaaggtcgg  aagncccagg  accggtccgg  aattcccggg  tcgaccccgc  ttccccggac  60
gcnttttaaa  ncngcaactg  ngtctttaga  gctaggggcc  acattaancn  ttgcactgnn  120
cagcatcngg  ctntatggaa  cnnaagtnta  ccaaatataa  aaagaaactt  ctgcttttaa  180
aaaaantata  tatatatatn  aaatncgaaa  ccngcatttc  tcccacggca  atgnaagaag  240
tagggcgggt  ga                                                          252

<210> 3227
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c
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<400> 3227
tttngcaccc aagggnatgc tggcccgggg ggagctttag gatcaaagcc cgcttnacaa 60
gacgacgaac   70

<210> 3228
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 3228
ttttcgccgc cgtctccctc ccttgcccgg ggngcatttn gnccttttgc ccgcctggcc 60
accgcccta ggggccccct ttctgccctt cccgcacccc tagtgggggct ttgtctcggc 120
gcccagaaaa tggcgacggg gccctggcg accccttccc cgaggacagc gccggactcc 180
gagccctcct ctcggagccc cggccgcggg ccctgcgcca ccccctgccc cgtccttgac 240
ccggctctcg cctccgcttn tgccccttga aaccttggcg atcctatttc gtggactcct 300
agatcggccc tgctacttgc aaagggtatg ccgggccagg gaaaccaggg atcggcgccc 360
gntctctggc agntcctggg ggcacttagg gaaagatgcg gatgcaagcc ttgaactggc 420
actggccagn ggttcagnct tcactgcttg ng                                452

<210> 3229
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2792

```
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 3229
gcggccgcac ancaagaatt nagngaaggn ccccctgnag gtaccggtcc ggaanncccg 60
ggacgtccca cgcgaccttt ttaaacgcaa atntaacaa                        99

<210> 3230
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c
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2793

```
<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c


<400> 3230
ttttacgcnn ccgggtgtgc tgcttgattg agggctcctt agagggggag atacacacgc  60
acacacacat gctcacccccc gggctgcacc cctcacctct gccacagcac tgagggcctc 120
ccccgcgttg ctgttctccc aggaattcca cggcctttga gtacctggag gagttcccca 180
tacagatgct ggcccagctg gagacactca cagggaggaa ggcaaagcac gggctcttcg 240
catcaacatg gaatatggca gaaatttctc tggccccgac aaggacgtct tctttgatga 300
ccggnctgtg gggcacacag aagatgcctg gcagtctaac tttcttcatc ctgncatcta 360
ctactataga tacctncccca ccggngagca ggtctctgcc ttccccaacc tgnggctcc 420
tcaaaactna ccgctgcaaa                                             440


<210> 3231
<211> 528
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c


<400> 3231
tttcataaaa aaataagagt ggaggaatag ggcaatattt tgccttaggt aaccagatga  60
attgcaacca ttaacatctg aggcaacatc tgaagaggaa gtgcgttatt gggaaatatg 120
ataaatttaa tttcattgca tttacagtgt ctgtgggaca tcagctggag gtattcaatg 180
aatgtctgga tatagagcaa tgtctcagaa gaaagtctag aaatagtgct gtccaataga 240
```

2794

```
aacctactgt gaccctcaaa tgcaaattat ttagtacatt aattacgttt tatttaacac 300
aatatatcta aaatgttatt tcatcttgta atcaatacaa agttattaag atgttttctt 360
gccagatctt aaacttggtg tgtaatttta tacttagcac atctcaagcc atatgtcaga 420
tgctcggtag ccgtatgtgg cttggggact accgnatggg acagtgccgn tccagaatat 480
ggtaatgggg angattatac cttaacaatg ggcanttgaa anactgca            528
```

<210> 3232
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 3232
```
gaatntttaa aaacaggaca agcactacaa gatacggggn ctanttaaaa aaacaaaa    58
```

<210> 3233
<211> 179
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature

```
<222> (28)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c


<400> 3233
gnngaagatt taagataact aagcacnnta aacttgtagg catctaataa attagcctta 60
aaatntataa agcaaaaata taactacaag gagaaattgg caaatnctca cttacagtgg 120
gagaattgca tacngctctc agntaatgan aggacaagca aacaaaacta gnaaacata  179


<210> 3234
<211> 122
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
```

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<400> 3234
ntaaancatt aagcggctgn taaaagtggg ncaaatttna gggggctgag cctggtggct 60
cacatttggt atcttatagg ctataaatta gagctattcg ccaacncctg ancangccag 120
gc   122

<210> 3235
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3235
cgattttttt caaaggttaa aatggaccnt ggtttgnaaa gananttcan tgg          53

<210> 3236
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c
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2800

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<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<400> 3236
tntgngaccc cagatggcat tcncaaaacc ccttcgagaa ggaacccagg nacncctgca 60
ggcaccggtc cggaagnccc gggacgaccc acgcttttcg ctnttcccan cngaggggan 120
cccaggngcg ggtcaaaaaa gcgaaccann cggacaggga cacaaaccna gacagntang 180
aacgctgaga gaggantgnc aacaagcang gcgagcccac ggncacacng gcaccngagc 240
ngacccncga nagncccanc gaaactgagg cgtgccngca ggacagngag caggccctca 300
ggagccaaag ggatgcaagg aacgaancct ggataccaan gaggngaccc acgaagaaca 360
cagatgaaac aangancaac cgagngctag gggcncacag agacaacanc ccggagagna 420
taa                                                                     423

<210> 3237
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c


<400> 3237
gaagaagcaa gagaccangc ccaatgangc caagaacatc agggccggcn tggcaagaan 60
gaatgggagg actgacggaa nggatggcaa ccaaccgaag gcggacacag gacgcnagga 120
catnaaagca                                                      130


<210> 3238
<211> 99
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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```
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 3238
tattggaaaa acgngnacnn atccgngaaa acccctnact atatttgagn cgaaaggtcc 60
cccngcaggt accggtccgg nattcccggg gcgactaac                        99

<210> 3239
<211> 118
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c
```

2804

```
<400> 3239
ncccggaccc acacacacct agnggggaaa aaganccgng cccacagacn attagacaag 60
agataacaca gggatacacc gagaaaatat acccagagag atacagnacc ccaacagc    118


<210> 3240
<211> 116
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c


<400> 3240
anggcagcga gcnggggagca cagacccaga acgaagacaa gaacgaccgg nacaacgcca 60
acggagctca agaggcgaac aagccgcaag acaagnngga cggaaacann aaaaaa      116


<210> 3241
<211> 139
```

2805

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<400> 3241
ataagctaag tgagtagngn ttncnaacct gaagaccacg ncacagctcg tatgctgatg 60
gtcatttgca ttaagatgaa caatttctaa aaacatacat aanaaanagt ancaatcaac 120

2806

tgagcaaaaa tangggaaa   139

<210> 3242
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<400> 3242
cacaacacct accacaggga aaaccgcnac gcccgcaggn accggtccgg aantcccggg 60
tcgacccacg cntttcngcc aaacatggcg gggcaggacg ggggg   105

<210> 3243
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

2807

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<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c


<400> 3243
ggacgcgtgg ggtagcccca agaaggctgg ggctatttac cagggtagaa aaaggagctt 60
acctcccacc tttggtccta agtccctgcc ccctcccctt cacaccataa ctaggtaaca 120
gtttgataac tagggaagaa agcagaacag ttaagcagcc gccacatccc cgctggctgg 180
gggcctcact ccaggaaggg gctggactgg ctgtcctttc cagtggcctg gctccgctgt 240
gtggatgggg agatcggggc cagaggcaga accctggtga ggaagctcca gtcctgctct 300
ctacccagcc catcttgcct ccatggtgcc tctggaggcc tctgggcctc ctctaacagg 360
ggctggtggg caccaagagc caatggagta gacccctggc tggtaagggc caagtcccac 420
cggttgcttc tgggaaaggg tttctaacac tagtctgtgt gctggggntc ctggggtgcc 480
cttcactggc cttttggtna ataacaaggg ccttgnttaa nn                522


<210> 3244
<211> 395
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c


<400> 3244
ggggcatgcc aggacagctg gttccaaagt caactgcatt ccctgccgag gagccagggc 60
tgaattcttc atcacagcct ggttatggct taggcattat aaatgatgct gtgctgacag 120
ccaggtggac agcctgccta actggatgat gcttcatctg tcctgacagg gacagccctg 180
caaatagaat ctgagggatg gcagacctat tggagtcatc gtgtcctttc actgagtctg 240
```

2808

```
gtgggactct cttccactca tcttanactg gaagatgcct gncttttttc tttcttataa 300
gtcttcacag agaaagggag cttttttccca agacacactt tatttttctt ttggcaatgg 360
ntagtgcaag ggttaaaaag ttcttgaagt caaat                             395
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```
<210> 3245
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
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<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
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<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2809

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<222> (142)
<223> n equals a,t,g, or c

<400> 3245
antaattttt atgatcttct nctatttnga aagntggtac ccctgnaggt accggtccgg 60
aattcccggg tcgacccacg cgtccttacg ggcgagggca tggacgagat ggagttcacc 120
gangtgggat gtgntaccca nn                                            142

<210> 3246
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<400> 3246
gttntagttc tagatcgcga gcggccgccc ngnttttttt taattttttt tttccntttt 60
tttggcatca ttaacatttc atttgaaatg catattgntn ttgaa                 105

<210> 3247
<211> 388
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<400> 3247
ggggtnggtc tcttaccctt gatgttttgt tttnttccat nactaaaata tttggtggac 60
ttgaaagtga ccttgtcctg atttcagaat tagaaattta gtgagtgttt ttattgcctt 120
aggcagcact tgcttaatgt ggatgacatg tcaatggcat taaatcacca ttgagccaca 180
ggctgtgaag ggagccagtc agcatcagtt ttctgactat tgtgcctaag aaactcaaaa 240
agatttgtgc tgcangcatc ccgaaggatt gggacccaca tgggccttga tgtgcgtttc 300
tgtaggccag agcccagcca aggctcctgg catgtttttc ttcacctttg caggctaaca 360
gaaatgtctt gattctcttt caaatcaa                                     388

<210> 3248
<211> 689
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
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<222> (8)
<223> n equals a,t,g, or c

<220>
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<222> (10)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (197)
<223> n equals a,t,g, or c

<220>
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<222> (266)
<223> n equals a,t,g, or c

<220>
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<222> (267)
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<220>
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<222> (280)
<223> n equals a,t,g, or c

<220>
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<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2812

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<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<222> (368)
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<222> (369)
<223> n equals a,t,g, or c

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<220>
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<222> (405)
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<220>
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<222> (406)
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<220>
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<222> (416)
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<220>
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<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
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2813

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<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
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<222> (446)
<223> n equals a,t,g, or c

<220>
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<222> (467)
<223> n equals a,t,g, or c

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<222> (484)
<223> n equals a,t,g, or c

<220>
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<222> (511)
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<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c
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<220>
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<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
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<220>
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<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (622)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c
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2815

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<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (665)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (670)
<223> n equals a,t,g, or c

<400> 3248
naacctgngn atagcttaga aatagccatg ctggagtatt atgtccagaa ggtaacctgc 60
taatgctagc acgcntcgca nacactacga aaggctcgca cagtcaacat ggtagtgtat 120
gccnttcaca gccaacacgt ctatacactg gggacttcac cagtcaaaat actccnggtg 180
cnttaaaatt aagggcnttt aattcaactt aagcggtttc cgaataaccc aaaatttaaa 240
tcaaacggtt taattttta cggagnngac cctttactan gggaagggcc ccccaatttt 300
aggacccntc naaatatttn gggcctttaa aggccccaaa tattttccaa acccttttaaa 360
cnatttanna aatttccaaa tttgggaaaa aatttataaa antanncaaa tttggnaaaa 420
tgggggaaac nntgggnttt aaaaanccgg ggaaatttgg ggggggnccc cccttaaagg 480
gggnaaaaaa tttggggaac tcccccaaaa ncaatttta ttgccnaccc ttnntttcng 540
ggggaaaaa acccaaaccc ccnaaatttn aggggggnttn ttaaaacccc nnccccaag 600
gnggngcaa acctccggcc nngtttcctt tgggaaacca aattttttncc cgngggtttc 660
cattnggncn ttgggaaatt tttaagttt                                   689

<210> 3249
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2816

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<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 3249
tccactnctg tnggnacngc tgcgnaattg ccgggtccga cccacgcgtc cggagggcgc 60
acccctgagc cctgggctct gcttggcatg cccctgaacc ccgtttcctt cacagactct 120
ctgggactta gctccttgga cagcaggccc cccacagtaa ctgtgtctgt tttctttgct 180
gctgagctcg tgcacagaga tgatggctga tgcctccttc tccctcaggg tacgggtctg 240
gcacgtgtgg gctcctggta atgccagtaa tggcctctgg gtagagtagg gtcacgtcac 300
tctgagagaa ttccccattg tgcctacaga ctcacccctt tctttccctc ttctgntttc 360
atttccttcc ctatattcag acagacattc ataggatgga catagaaatc atnttaatga 420
```

2817

cngaaaagac ttttaaggaa ctattcactg nacttanctt gtaccaaaca nc   472

```
<210> 3250
<211> 699
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c
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2818

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (683)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<400> 3250
ncggacgcgt gngtagtgag ataagcagga cattttacaa agaaacaagt agctgttcaa 60
tagatttcca tgaactctga gcacagccaa caatccccgc cccccactcc tccctacccc 120
caagtgttac caggcttcat tctttagngt cattccagtc ctncactaaa tttccattag 180
ttattaatca tctaaagctt ttatctaaag tttaccattt atccttctgn ctctggccct 240

2819

```
gnattcccct actttacaga gatatattta aaaaactgnc acttgtaaaa gcaaacagac 300
aagtgggata gaatactnaa aagtcangan aatagaaagc cttttctgaa attgaatcac 360
cttctaacag ctatttctaa taaaaaatgt attaagaaag aaaggggggaa aaaaaggctt 420
ggatcccgaa agacagtttg aatcataaca gtgcgagtgc gagacagaag acaatcactt 480
tctactctct gctngtcnct aaaggaattn cagttaggta ttcaagaatg gaagaacacc 540
gagagtcagc cgttcttctt tctctttaaa acaaaaacca aattcatctt gggcatggta 600
tcaagttgnc ttgaatgtan aagggaaaaa aaaaggcant ttccaaggca ttacctaaaa 660
atcaactctt tccatttaaa tgnggggcca tnttggtaa                        699
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<210> 3251
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 3251
agggctccag gaacacccca cgtccgttct tctggaccac ancgccctng actgtgaccc 60
tnagcgacnc ttctgtcctg cnctccgaac acacagcgct gtcctggaaa actctgcaca 120
cgtgtgcaga ct                                                     132
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```
<210> 3252
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3252
gnatggttgt cgaagccaan ntgctgcgag cactcaggcc tatgnaagaa accaagggaa 60
gacagtggtt ngtggaccaa aagggctgtg aagcattcct gggcatgtgc nccaagatnt 120
ccacntcttg gaa                                                    133

<210> 3253
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3253
ggntggctga agtgtacgac cttgcggnca gnaaaccagn tgacattgaa ngctca　　　　56

<210> 3254
<211> 158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 3254
aagcaatcct gccttancgn cccaaagngc tagagtgatn attacaggca ttgaaccacc 60
atgtacagcc caggattagt ttatantctt tggttgaagg nctctttttg agacangaac 120
ttactcagtt ncacatgctg attncctaaa tgcaggtg                        158

<210> 3255
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2823

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<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<400> 3255
gagaaaaaca agaaaagtgg agaatcttct tctnagttga gtcaagagca gaagagtgtc 60
tttgatgaag atctgcaaaa gaagatagaa gagaatgaac ggttgcatat acaatttttt 120
gaagctgatg agcagcacaa gcatgtggaa gcagagctga ngagtcgact ggtcactctg 180
gagacagaag cagnccagca ccaagctgtg gttgacggtc tcacccggaa gtncntggaa 240
accattgaga agntncagaa cgacaaggtt aaactagaa                      279

<210> 3256
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (575)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c


<400> 3256
gtccagaaaa ataaatatgt gcttatttat ctcccctgtt ctgggttgac aacagagtgg 60
ttctcctggt agcttccaga taccaaatcc ttgggcgtgg aagagcagta aggcaggagt 120
aggggagagt tgggcaatag aattaatata agaaggttct gatctctgta ctcttttggt 180
gactaagtcc tgaaaaatat atttgccatg tctcaaattt gttggacttc tgatacagtg 240
tggcttaatg ttcttgctct cgctaacagc aacattttac aatcagtgtc gagcttggat 300
ttggcattat gaagtatttt gtttggggggg cacatataga agagctactt aggatgaaat 360
agaaggtatg acaacattgt agtttgtgca tatcaaatca tcagatgcca tgggatttga 420
gagaagtggg agagaaaagt tttggtgtga ataaaactgn aataatgtgt anagctaaag 480
gaacagtggg agacaacctg aantagaaag tgtttcacag agaatgctaa ttctggagcc 540
tgagccacta ctttttttt ttttttaaa cnggntngaa ccagacttta nctttctgna 600
aaacttttaa aaacctcttg gatgccttg                                    629


<210> 3257
<211> 489
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c
```

2825

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<400> 3257
ncattcgcct tttctaggat tgcatttccc aagtgctatt gcaataacag ttgatactca 60
ttttaggtac caaacctttt gagttcaact gatcaaacca aaggaaaagt gttgctagag 120
aaaattaggg aaaaggtgaa aaagaaaaaa tggtagtaat tgagcagaaa aaaattaatt 180
tatatatgta ttgattgnca accacattta tctnagtaga actgaattgg ctcggaaaaa 240
agaaaaactg catgttaatc attttcctaa gctntccttt tgaggcttag tcagtttatt 300
gggaaaatgt ttagnattat tccttgctat tagtactcat tttatgtatg ttacccttca 360
gtaagttctc cccattttag tttcctagga ctgaaaggat tcttttctac attatacatg 420
tgtgttgtca tatttggctt ttgctatata ctttaacttc attgttaaaa aaaaaaannn 480
annanaaaa   489

2826

```
<210> 3258
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 3258
ntagaaatgt actcaagccc tatttataaa caaatacttt tctacttgaa gtntaacnct 60
tacagaacat cacctgnaat ggccacncac actgtatgtg tgagtcatan          110

<210> 3259
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 3259
gnttagccca ccaatgccaa gacaaaatta ttttctttat acttattttn tattaaacan 60
aatgaaaaag atcctttca aaaaggtgat cctgaaaata aaactaacac tccagtattt 120
tgtcattgtt tttcgcaatt gagctatctg aaaactgtta ttcctaagta atgttcaaaa 180
atgataagta atctggatac ctttttctta tactttctcc taggaaaact ttaaaacttt 240
aaaaaggcaa acctaccaat aggaataaca aattaaatgt caagagagta tatccaatat 300
taggatataa aatgtatgtg tctcaagttt aactctacaa aaatttggta cttgttttta 360
aactctatat ataaagttcg acttaatcat gggntgttnt aagaagtctt ttggagagca 420
agaacatttt tgcntttctt aaagggggggg gtttacttgn an 462

<210> 3260
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2828

```
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<400> 3260
gcatttctat atcgtctctg cgttacatac tcactgagca cttttagaag gaaagggtaa 60
ggtggtagag tacaggatct agttgtatac aaaattggtt ttctcatcca tttggagaat 120
ttttattttg gaataacaga tgaaatgatc aggttgtttt atgatgaggg ggttatttgt 180
ggtcataaat tcaaatgacc ttctttattn nttttctctt tgttgacatg tttctcatat 240
gagataaatg gccttttgaa aggtacctac cttagcatgt gccacagtat gatgtgttca 300
tgttgatata cataagcatt tnctagtctt aaggtctagg ggttatgtaa tattggattt 360
gcctnaaagt ttttgaatta cacataccat attctnaaca tttaaaaatt aaataatttt 420
```

```
gcttatatat ttgattatta tgttgggnga gnactcctgt tatagagtat ttattgngnc 480
ag                                                                 482
```

```
<210> 3261
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 3261
gtcantgtct taattgaggc caccagatac acacatgaga atataaataa cggcttgtgg 60
caataatgac taaatgccaa ggagtggctg gtaaaccgng gtgttcccta gagaccccgg 120
cctgggctct acttaggctg cctcttggac atcagaccaa ggcttacatt ctgaatccac 180
agggcatcca catgggtggt gtcagtcccc cacagacaga gaagtgtccc gttgcatttt 240
tccatctatt ccagtagtaa gattgtgtca tttgagattt tctttaactg tataattgga 300
cgtttaatta acaaaccaga gaggaggaaa aacaatgagg tgggtagagc atcatgttca 360
gcctcagggc tgtacagcaa agcaatttta gactgcggat gttgagtctt cagttaccct 420
```

```
gagtgccagt tacagtgatt cacatctgaa agaacagtct tgntgagang gacagtncaa 480
ngtggatngg c                                                        491
```

```
<210> 3262
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3262
nccccctgaa aatactacta tatttcaagc tggtacccct gnaggtaccg gtccggaatt 60
cccgggtcga cccattngcn cgctttnaaa aaaaaaaaaa aangg           105

<210> 3263
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c
```

2831

```
<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c
```

2832

```
<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<400> 3263
ggaatctttt aagtgtggtg gtaaagattg caaaataata aaatgacctc tgaatttaaa 60
atttagaaaa atatgtcttt tctatattga ttttacaatt tggagaaatt tctcttattt 120
tttatatttt ttcttttagt gggagaagtt tagtctacgg tttttattt ttagtcacca 180
agctgtagcc aactcctggg tcattttctc tgaaaaacat ttggagatca tgacaagttt 240
tggattaaaa cattctgtta ttttgcatgc aaactanntt actgngntcc agactggcca 300
annnttggna cccntatcaa cacntgcccc tttagnggct ttcataccat taccaccagt 360
accagaaact ccaggtggcc caagcttaaa gtaaaaatcc taaagcacat tggcttctcc 420
catgcaatgt gctgggtcca aaccatgctg gtaaatatna naantcctat ggttatgact 480
gactaatgac aatnatagcc ccaaaataca tattttgat actatttaan ccaaga      536
```

```
<210> 3264
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c
```

2833

```
<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 3264
ggnggaacct ggctccggca gcccagcccc gcgccctctg cctggcccct gttcctagat 60
ggtgggcatc gggacgtcgg atgtggacct ggacaaatac cgccacacgt tctgcagcct 120
gctgggcagg gatgaggaca gctggggcct ctcctacacg ggcctcctcc accacaaggg 180
cgacaagacc agcttctcgt cgcggttcgg ccagggctcc atcattggcg tgcacctgga 240
cacctggcac ggcacactca ccttttttcaa gaacaggaag tgtataggtg tggcagccac 300
caagctgcga ggacgagagc ctggctggag cccgcgttgc tgttcccaca gggcctcggt 360
ttttcctaac ttgctctgca tgctgtcagc ggctgccccg ccgtcataga cttaaaggac 420
tgcaataaat gtagagttga tgtctaaaaa aaaaaannn                        459

<210> 3265
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 3265
```

2834

```
aaaagaggat gaaggataag gttgtagcac tgntacaaga cccactggtg gtgacnanaa 60
cggcatgtcc tgggaggtta aantanactg aatgcctaga tattatccta ctgatga     117
```

```
<210> 3266
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<400> 3266
gagagtattt atgagagtag antaagatna aggagcaaag gggagagata tataatgaag 60
acacctcctt aatggtctat gtcaacgcta ggtgacctgt cttcctttgc ttcttcaagc 120
ttctaggacc tgtgtgtttt gtttcatttt tggttttgaa ccctcaaaac aacactctca 180
gtttcatcca ctgacataca ctctgtgtgg tgcttggtaa attacattca ctttctcagc 240
ctttgagctt cactttcccc ctctgtgaaa taagcaggtt tttaacctat ttgtattatg 300
gatttctttt aaaatatgat gaaagctgta gactctccat tccaaaaaaa aaaaaaaatg 360
aacaaatatg catacacaaa agattttaca aatccatctc aggaggtcac gaaccaaccc 420
```

```
ctgatactca tangactcca tgggatcttt taagtttcca ggtttaaana acatntnggc 480
aagcattttc caagtanccc atttcacat                                   509
```

```
<210> 3267
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<400> 3267
gcccacgcgt ccggggaaat ggggctaggg aggtgaaagt gcgtggtcac aaaatatcag 60
aaatgccagt agcccagagg gacttgcagg aaaagcgtgc ctaacattag tctcaaaagt 120
ctggatataa ctaaagatcc aggtgaagtg gggtcaaggg tggtcttggg gactctggtt 180
tggcagggct caggcctgac ccgggtgcct attcctgcag cgctggtttt ggttggtgag 240
agttcttctc agtctgttca taggcgcaga aattgtgggt gagtgtgtgg tgcagcccat 300
ggggagagga cggggtgagg aaggaggtgg gcagagggca cctgggacaa tagggaactg 360
gggttggttt tctgctccct cttcccactc tncagctcct tctagggccc acttttttggc 420
ccttaccatg caaccacatt ggacctctaa gtncccatct ntcttgcagt gtcccacctt 480
ccataccact ttntaattnc attttccanc ct                              512
```

```
<210> 3268
<211> 51
```

2836

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3268
gatgaagtna ccctagccat catatgagat tgtttgggct nttgntcgca n          51

<210> 3269
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c
```

2837

```
<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c


<400> 3269
ggtgggctgc agtgatgact ttggctttct ttccaaaaat gacggcagcc atactgtgat 60
ccctgccccc aactgctgca cagagaagag ggtgaatgcg gcgagggtgg gtggaaggtg 120
ggcggtgagc tggggggtta tggtgataac ctatgcaaga gatcaaggtt gtggtaggga 180
gcanngnttc tcaancangg ga                                         202


<210> 3270
<211> 237
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c


<400> 3270
gcggnnncgt ggggaactgg cttagttttt agaagagtga tcggtctcat taaagtggag 60
ggaaaaatag gacccttaag gaaaatcaaa agatagtgac ttaatttagc tagaaataag 120
gacttaatat ctgtcttcaa atatatatat atggctttgt ggagtggttt ttggaccagt 180
aaggcagctt atttagcata atgattataa agtggnttct tctgctttgc gaactgt    237


<210> 3271
<211> 59
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 3271
ttttgcacct tgtcgaccac tcaggcgcag gcncagggaa ggacnagnga cnccanagg   59

<210> 3272
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2839

```
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 3272
ttttcgccat ctacaacagc agcggagagn tcatcaacaa catcaagtac tacgacggct 60
tcatgggcca gcgggtcggc gccatcagct gcctggcctt ccacccgcac tggcctcacc 120
tggccgtggg aagcaacgac tactacatct ccgtgtactc ggtggagaag ccgtgtcaga 180
taagcggcgt daccccgggc ccaccaggcc acggncgnct gctgtacata gtgaagctgt 240
cactcgncgg ggcacggngc gtcggctgct gcggncccgc agtgngaacn gttggctgct 300
gccttagctg ctgatgacgg caggagggcc ctgctactcg cttttgtctg tcttcgctgn 360
cgtgtctgga atgtcaggga aggggagggc tcgggttgac cngtggcttc ccactgagca 420
ccagcaatca                                                       430

<210> 3273
<211> 86
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
```

2840

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c


<400> 3273
ttttcgggga tnagagcccg gcagacagag ctctgggnct gaccttagcn ncattcttca 60
tggctgccaa gtgagagtgn ggcccc                                        86


<210> 3274
<211> 74
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c
```

2841

```
<400> 3274
gcantntntc ccgcctgccc atcatcgatg tggccccctt ggacgttttg tattcaatca 60
ctgtnttgtc cnat                                                     74


<210> 3275
<211> 150
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c


<400> 3275
agngacttca atgnaatctn gctactattt ggaaagctgg ccgcctgcag gtaccggtcc 60
```

2842

```
ggaattcccg ggtcgaccca cgcgttntng gacgcgtggg ctattttcta aataaacctt 120
tntaatctaa aaaatagttt ggncgttntg                                   150
```

<210> 3276
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<400> 3276
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ggaatgctga gttttcttta tcttgacact tgatacatac gtaattcata tatctatatg 60
cttcacgttt ttatagttta ctgtatatat gttattcctc aaaaaaaaaa agaaaaaaaa 120
atcctttctt tctacagagg tacntactac tctacctgnt aatcaccaat ctcaacatgt 180
tnacngaan                                                          189
```

<210> 3277
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2843

```
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 3277
gcccacgcgt ccgggagggt ggngggaatt aagggtgnta ttnaccttna c            51

<210> 3278
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 3278
ccgggntttt ntggggggtt nttttcccnt nggcattttc aaaaaccaag gttgggcctt 60
ttggggaacc gggggaaaaa ccccctgggg caggccttcc ggttttctct cgcaaacncn 120
ccccggggcn cngnggctcc ggc                                         143

<210> 3279
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
```

<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3279
gcatttccta aaggctngag ccggagctgc cgngncangc gtctaacaag gccntta   57

<210> 3280
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

2846

```
<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<400> 3280
gtcctcccnt cttacctaca agtgctgacc cttcctgggn tgctgccaaa catgaccctg 60
gatactgtga gtctcaggct gctgggctac caggatcaga atcaagaagg gaaaaggatc 120
aaaatttata gagtatcttt tagagtacta gcatggtcat ttcattacca actttgcaaa 180
ataggtatca ttgatcccat tttatagacg aataagttga gtctgatgga taacttgcta 240
tgtgagggac ccaagcctgc taattctaca cttttgcaca ctctcacttt attgcctaca 300
gaagagctca gaaggagagg gagggagagg gggacgggaa gtagaactgt ccctggggta 360
gaaataaatt ggagtgctgg acatgtgcat taggagccta ctaggctgna ttgcagatga 420
ctcagtatgc aatgggcagg aaggaggggt gaagagagga gtaggcagtt ttctncaaag 480
ctgctttaca acaacatcct gagtgtgaac ataagtgagt ctacatgtnt atctntgnct 540
cttctacaca tacccttgc aagntgctgn gtggaagttt ttggggcct            589


<210> 3281
<211> 471
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (123)
```

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c
```

2848

```
<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 3281
tgcactttct actncagatc tttaatgggn naacccncng caggttccgg tccggaattc 60
ccgggtcgac ccacgcgtcc gcccactttt aggatggtcc tcttgtactt cgtgtgctcc 120
ganncatggt gacgatgaca caccctggtg gcatgcccgt gtatgttggt ttagcgttgt 180
ctgcattgtt ctagagtgaa acaggtgtca ggctgtcact gttcacacaa atttttaata 240
agaaacattt accaagggag catctttgga ctctctgttt ttaaaacctt ctgaaccatg 300
acttggagcc ggcagagtan gctgtggctn gggactttaa naccaaccat taacaattgn 360
tggttaaagn aatttccggt taccgtccat ttccaagttg gaaaatgctn agtccttttn 420
nttttttttt tttccaattn aaaaaggacc attnaactta aaaaaaaaaa a          471
```

```
<210> 3282
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c
```

2849

```
<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<400> 3282
gggaggagtn tctcctggac catccgaacc tagcctgtcc cggcccgnag cctctatgga 60
ggctcctgcc gggccgtaga gcccttcgcc ccctggggac ccacccgtct ataaggtccg 120
tttggcctgc agcagcctga gtccgtaatg ctgggcactg ttcatgggat cggcccccta 180
tggagccctg tgtctatagg ggactcctac ggtccctagg gttcggcccc gtccataatg 240
actccatata cagggccttc catcgctcta tagggctcag ccctcggctt ccagagcctg 300
tcagcagtgg ccgtaccctt cgccgggact gccgggtctc cgggacctct tcgatctaca 360
aggtcatgtt atgcctatag aggtcgcatt tgcagggcct caccccgggt agagggtcct 420
cttcaggttt ttacggcctg tccccgctct aaagggtcaa gtgcaaggan gcggcnaatg 480
gcccttgggc aaaggttctt ggncatgggg aactgggntt ttgggccttg ggcccgtgct 540
gggggtcn                                                                     548

<210> 3283
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<400> 3283
ggccaaacct taaanaaggt tncaagggtc cctaaatntn tttgggaatt tttccagggg 60
ggaagaccnt taacaccctg ggaaaaaaaa aagaatttgg gaaaaaccac ccgggaacca 120
actnggggggg gccttaantt taatagggggn aggcgggggn                     159

<210> 3284
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<400> 3284
atggctggga agaaanttca ccnccctgag cttttctgac cntgaaatng gcagggcaca 60
tgacacaccc attttataaa tgggcatgnc cattttgata aaggaggaaa gaagttcaac 120
tcccncttct ncaaagtcca gggccttggg ctccacagcg aaagcctncc cnatgccccc 180
act                                                            183

<210> 3285
<211> 174
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c
```

2852

```
<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<400> 3285
ngattnaaaa agctcaagan cgcngaangc tgggttttta caaggatatt cggtatttga 60
tgaaacccag ttaggcatga catattcccc ttctccccat tcctacctct cttttattaa 120
aaattttata gttacagtgt ctatgttgcc cagccnggnc nngaaccctn tggc        174

<210> 3286
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
```

2853

```
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<400> 3286
aggaaaacnt gcactataan ntcgggnaag gtactcctgg gggtaccggt ccggaattcc 60
ngggtcgacc cacgcgtccg tttacgcgtc cgggcggctg cggaggcnat gggcctgant 120
nanggccgga gttgcccgga gcctgccacc gctctcagnc agnccgcatc cttctctgnt 180
cttccctccc cccgcctgcc acggngcggg tatccgcagc cacagcccgg ggccggtgag 240
gnggcgaang gggaggggag gaatcaaggg atgagcgcng gaagggcgtt gggggccctg 300
agcngtacta angacg 316

<210> 3287
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c


<400> 3287
gannnttagg cccggcccct ccccgcttcc gcacagggac cgggaccggg accgngagcg 60
ggagcgcana gagcggagcc gggagcgaga caaggagcga gaacggngac nctcccgctc 120
ccggnaccgg                                                        130


<210> 3288
<211> 576
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c


<220>
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2856

<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<400> 3288
gggcttttgc cattttttaa aaaggatact ggaaacggaa aaganatgac attcatatga 60
acaatgcatt tttcttatta atataatcta ttttgtatt ttacttaatg agctttaagt 120
gcctgtcgtt ctgaaaattg tgtatttata attcagctta tctcacaatt ggacctaata 180
gcatttcttt gtgcagttag gtgacgagca ctgctttgag gcccaagcac tagtagagat 240
gcgcgataca ggtctagttt cggtaactgt tccagacatc aagcaataaa aaaatgaata 300
ccacaaaaga tgtttgattt tacagtggag ccttactgaa ccagcattca gaagtttaag 360
gncctcctan gtatgagtat ttttagtagt ggatcactgt ggcagggtgc aacttctacc 420
agttcctgnt tcttctgagc cagaaccctt tttcagggaa aggggaccca attaatttta 480
aaaacctcac cttgaagcac aanttggcca tggggcttg ggantaaagg tcctattttc 540
naccctggta acttnccaaa tnctgggaac ccccag   576

<210> 3289
<211> 115
<212> DNA
<213> Homo sapiens

2857

```
<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<400> 3289
ngaagtgnta gatctatgaa agctnntacg ccctgcaggg taccggtccg gaattcccgg 60
gtcgacccac gcgtccggga gttntgtgga aacctcccct ctcagcggcc ngggn      115

<210> 3290
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

2858

```
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3290
gggatttggt gtggaaacct cccctctcag nggggnggn gatnaaactg antaatac    58

<210> 3291
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c
```

2859

```
<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 3291
gtgctgcttg tcagacattg ctgtctcttc ctgtggattt taattggaga aaatatatta 60
ggtgactatn ntagagctga tgaatttgca gatcaatctc ctggaaacct cagttcttca 120
tccctnagaa gaaagctgtt tttagatggg aacggaagca tctccgactc cttaccttcg 180
gcttctnccg gaagtcctca cagtggtgtt caaacatcac tagagatgnt ttattnaana 240
nnattggnnt nttgaaaang gaaggaagcc cctngcagac accaagttcg gggcagtgnn 300
cttctagccc tatncaggct aagtgcaaaa aaatacagct tgggaagcat aactagacct 360
tcgctatttc ttcacccact ttntnaccaa ttgaattcag ataggagaga ctccactctc 420
agaacanagg aagnttactg gncattct 448

<210> 3292
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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2861

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<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
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<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
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<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
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2862

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c


<400> 3292
nanagaagac ttnttgtaga cccccttgaa natacgnaaa gctggtacgc ctgcaggtac 60
cggtccggaa ttcccgggtc gacccacgcg tccggctttt ttagatattc ttcctttata 120
ctacatcaaa acttgataag ttgcaatgta natnactggc ccagggcttn gccatctgaa 180
gattnggntg aaaaacactg acatgaagtn agattaatag gataaaaggc atatacattn 240
atttaatgtg aatacacagc ggnctttata atgaanaccn aaagatacag aa         292


<210> 3293
<211> 308
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
<221> misc feature
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<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
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<223> n equals a,t,g, or c

<400> 3293

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gnnncaatcn tcctttgtca tttatacttg catttgcctc cttttaccct aaccaattnt 60
tttctctcat gtgcatatat gtattccctc tttcccaaca ctggcataat tacttcaaat 120
aattattcaa tcctatcact ttcatttnta gattttcctt nttgggggga ggaggattat 180
tntctttata aaaatgntaa caaaatattt caaacttgca gaatataacc aatatccatg 240
ancctatctc tcagaattaa tnntttaaag aaataaaaac atatatnagg agtctccttt 300
ggacttna                                                          308
```

<210> 3294
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 3294
aaantactaa tactcatttt nanggngggc taagaatatg aatagaccat ntgtctatta 60
tataaatata gtgaagaaac atatgacaaa atgttcaacc ttagtcctga tcagaataaa 120
aataaaagta aaataggtac aattttaaag ctactaactt gactacaagg agtagtgctg 180
gtgaggggca gggaggccag aatcgtggtg tatggctggg ggtcgggggt gtaaagagcc 240
tccatccttc atctattcat tatactaaca tacttatgag atatgtattt attaagtgcc 300
ttcaaatgtt tataaccttt ggctctgaat tctacattta ggaactatag atacaaatta 360
ttgacctgat gatgatatta cttaatgggn aggagaagta gctaaatata ttaatagcat 420
gggaaattca tcgaggatna ttaaaagana ttnn 454

<210> 3295
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2866

<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<400> 3295
acaacttcac ttacttttgg gaaagctggn ccgcctgcag gtaccggtcc ggaattcccg 60
ngtcgaccca cgnttcntnc agcgcgggga gcccgtcggt aattntaata ttttattata 120
tatatatatc tatatttttg tccaaaccaa ccgcacatgc agatggggct cccgcccgtg 180
gtgttattta aagaagaaac gtctatgtgt acagatgaat gataaactct ctgcttctcc 240
ctctgccccc ctccaggcgc cggcgggcgg gccggtttcg aagttgatgc aatcggttta 300
aacatggctg aacgcgtgtg tacacgggac tgacgcaacc cacgtgtaac tgtcagcccg 360
ggccctgagt aatcgcttaa agatgttcct acgggcttgt tgctgntgat gttttggttt 420
ggtttggttt ttgggctttt tttggattat aaaaaaataa tctatttcta tgagaaaaag 480
aagcgtntgg atattttggg aatctttccg ntnaagcatt anaacctta ataaactttt 540
ttgaaaaggn tccaa   555

<210> 3296

2867

<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 3296
gagaatgtgc tggagctacn nagccgagat ggctctgagt acctgatcca gcacgactcg 60
gaggccatca tcagcacctg gcataaggcc attgctcagg gcatccagga gctggctcac 120
tggtggaggt aaggagagtt aacctggtta agggaagaga ggactcttcg ctgagggtct 180
ccaggccatg cctgttggga gtgcatttcg ggtcccttgc ccatcctgga aggacccgca 240
nntggctcaa ggccccgcct ttntgaggct atggnaatcc antccgcaaa   290

<210> 3297
<211> 121
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<400> 3297
agcanaaaaa tgcactangg ccatgggagg attcagtgct aaancaagaa tgatanaaaa 60
tagtctcaac ttaaaggccc ttacccaaat ntgaaaatgc tgaagaatta actntaaatn 120
t                                                                 121


<210> 3298
<211> 182
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
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<221> misc feature
<222> (8)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c


<400> 3298
taatancnac tttggnccat acctttccgg ggtgtgtttg aggatgccct ctaccatgtg 60
ggccttcccc aggagatgan cctgttaagt gntcggcagt aacctactan ggnccttcgc 120
ctcagcagca aatcttgcta ctggctctag atctgcgggt tnccctntac cctgcctccc 180
gg                                                               182


<210> 3299
<211> 359
<212> DNA
<213> Homo sapiens


<220>
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<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2871

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<222> (315)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c


<400> 3299
gggtttntag ncacatcctc taaaattgat ggaanagcaa gactttatgc cttgacatan 60
cccnagtggg agccagacta taaggaataa aaggaaaaac tttcttcctc tctctccaag 120
aggatatggg aagcttctgn gagtgcatag gatgggggct ggagtcattc ttagctgntt 180
cccttcctct gnccatatac tggatcacct caacataccc tggtgnggct ctaagggtaa 240
atcagggata gggccaagga gaaaacaacc aagaactctn tcctgtaata agcaggatcc 300
agattgagaa agtcnagcga atataagagc aaaagccatt taaaatcta tataccnnn 359


<210> 3300
<211> 159
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c
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2872

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<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 3300
aacgaaggca cagaccgaat caaggagagn ggcgatanac tagaaagcaa gagaaaacaa 60
aatccgaggg ngatagggat aagcatgggg ncaagnacat ggatatgagc ataccgctca 120
caggggaaga ancataaccn tgagatgatc acaactggg                        159

<210> 3301
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
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2873

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<221> misc feature
<222> (105)
<223> n equals a,t,g, or c


<400> 3301
tncccttggg aagaaacccc gggaagcaac gaacgaagtc tgggngcccc taagnaantg 60
gcccccgggg gnccctggga acaaagctaa cgctggggca atggn                    105


<210> 3302
<211> 410
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c


<400> 3302
ccacgctttc ggttaagggt ctctgggaac tgaccttttt aactataaga acacacaaca 60
gaaagttcag cggattatgg aggactgatt tcctcatcaa cctgtggtta ttgataaaag 120
cttcttcagg gtgggtcctg atcaccccag ctgtttccat acaactgtgg ttcacttagg 180
tgtcatgggc atgcacacat tttgtccaag ggaaataaag taggtgaaaa gcagtttaga 240
tactttaatg gatacattgg gcaggcttg cccaaaactg ctttnctcct tgatcttgag 300
tgaagctaca acacaagngt cggggaaagt tcagaaggca ggcatttttt acttaagctt 360
tctaaagggc tttaaattcg naacattctt aaataaagga tataaagggn             410


<210> 3303
<211> 409
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<400> 3303
tttngcctca gnctccacat ctgcctgttg cggtcctggc tgtggggtct caggataagg 60
acatagcccc ctggaagctg ggaaggcccc acatcaggcc ttgcagtttc taacccagga 120
ggtggccgac agcagtgcgt cggggctgcc tgtccctgca cacgaggccc tggggggtga 180
atggaggctc tccctgtttt tgttagcatt ggaggcctga gcagggctaa cgcccaaccg 240
ctgcttaagc gcataagatg ctgagatgga aaacgtgttg catggtgtaa accatgcaaa 300
gccctcccag ccagtgcagt gatcgaggca gacagaaggg aaaccgctct gcaaagagag 360
gctcggctct ctctggggta cacagatcac ccagactggg caaagctct        409

<210> 3304
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
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2875

```
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c


<400> 3304
ggagccttnc cctggcgggg ccccacctct gggaanccnc agcgcctgca agattttttc  60
ctctcgtgac agggagcagc atgcggaggg cccttgcaca acctgggtct tcaggaagga 120
cagtttctaa ccagagttct ggtaagcact ggtgacattt cacattggct taagcaataa 180
ggaaaagcag tcatctcacg tagcaacgtg gcttggggaa gggagtctcc agtttcatgt 240
attcggagcc tcaagaacaa cgttgaagac ctggattctt ctcctgtttt tgcagttcct 300
tgcccaggtg ttggcccagc tctcttcatg gttccaagaa ggctgcccca ggaaggcttg 360
tggacagaag ggagaagcat ctcttctcta tgnctctttt tatctaagaa accaggtttg 420
accagcatcc ttcccttanc ttcccaggag gaatgcccgg atccccttng ncttncccat 480
cccttcatgg gntgactaaa ccccacta                                    508


<210> 3305
<211> 284
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
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```
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c


<400> 3305
ngaaaatcnn ccctantttt tgggggaaa aaaaaggccc ccgggtttaa ccggcctctt 60
gggcaagggg gtnacccccg gggtttcccc ggggaaaatt ttccccgggg ggtttcggga 120
accccaacg gcccgttccc ggctttcccg gccggaataa caaagtttaa agggaatggg 180
gcttggtaaa gtaacccttc ttggcttggt ttggtttggg ggggggggtt ttggtgggaa 240
nccgcttggt gggggaagcg ntccaagccc ttggggtggt nngn          284


<210> 3306
<211> 241
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
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<220>
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<222> (2)
<223> n equals a,t,g, or c
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<222> (13)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<222> (208)
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<220>
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<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<400> 3306
nnttcgcagg canaggggta cctggaggag gaagggccgt gggtcacctg cagggcgggc 60
tcaggcctcg cggctccgcg ggccgcccac ttgggttggg gcacagcgcg agtctcgcgc 120
acgtggcggg ctgtggtgcc tgtcgttcga gttcgcatag aggggctggg cgggtcacgc 180
ggggaacctg ccttgagccc cgcgntgnnc acnccggacc atggcggcct tgggcctggn 240
c                                                                241

<210> 3307
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c
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2878

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<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<400> 3307
annntaatcc tggcctccgc ctgcggagcc ggnggaaccc gnttcccgcc tccacggggc 60
agcgccagcg gcctggtcct ttcaccggca gctccgtgcc gacgctctca ccgctcttcc 120
tatcgccggg agtggcgggc cgaccagggg gcggccgggc taccgtccgn cattcacgtg 180
tctctgcgcn cgcggggggcc gnccgagccg gccancatgc cgctgggcct gaagcccacn 240
tgcagccgta tgcaagacca c                                          261

<210> 3308
<211> 603
<212> DNA
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<213> Homo sapiens

<220>
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<222> (1)
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<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
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<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

2880

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<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
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<222> (480)
<223> n equals a,t,g, or c

<220>
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<222> (483)
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<220>
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<222> (486)
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<220>
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<222> (529)
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<220>
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<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c
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2881

<220>
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<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<400> 3308
naatctttta naatgtgttt gcatgggtat gtgngngtat gattcctgtg tccttcattg 60
ngtctgaatg ttgacagctg agttgttgtc ctgtgggtgt agtatagtgt gttcttaaac 120
atttcaggta tttttgaatt tatctatgtt gtctttgaat cttttacagg gattctataa 180
ctgccgtcat gtaagttgnt acagaaggga ggctgttttt gngtcttgta tatttctttn 240
ctttcagaaa ttacagatgn ttataattag cttcaaacac tgccttaata gcaattggaa 300
gataactgcc gtcagcccga cgnggctttt cctttactt caggaggaga atgactacta 360
atctggaaca aaggtcttac tatagcagtc agatcaccag aagaagngcc gacacttcct 420
ggcttcatct gaaaatttgg agtcaaggga aaantggaaa gaattgcnaa aataccaann 480
aanttntacc ccatggccat gaaccaaata agaacagata tgcctaaang gataacccag 540
acctgngngg aattgggccg ggaacaaang ggaaacattt gggacaactt aaccggngtg 600
aaa   603

<210> 3309
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3309
ggatttgaac tgcnccctg tctccttgtg ggttggccta gaataaaagg gganngctgg 60
ccctttaaag   70

<210> 3310
<211> 506
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c
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2883

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<400> 3310
nnaggctgtg ttctaaaact gtgcccacgg gcctgcctcg caggggaggt cttggctgtc 60
tctgccctcc acagctgccc tgcgcaccgc atgccctcca ctcgcgctgg gtgccgaggg 120
ccggggggaga aggcagggct gcctcgggaa gggcgacctt ggccccccccg tgtgaaacgc 180
acacctgcat gaggctcccg cgctccctgc tcccctcgcg tccttccctg ggtgtctccg 240
tgccaggttt ttagggagtg cccccccacc ccggccccct tctgtgttgc tcctgccact 300
tcagtcctct gggacacagg gttgagtccg agcagcagag tattggtatg tctgtctgtc 360
ccgtggacct gcccgcaggg cccacgtttg tggctacnan caccancccg tcttgcggcg 420
gaaacccccct gtgctcgacc cgcttncggc tcattcaagg aatgtgtggg naactgcaan 480
acttgcattn tgggaacggg gaganc                                     506
```

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<210> 3311
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<400> 3311
ggctgactct ggaaaacatt aggnactnag aatcaagggt tctggggtca gatggataat 60
ngccataatg ctaancaagn ngcnactgga ntnncttgcn cntaaatcna ctgggcattt 120
cattggtaca tttnttgaat tnatgattgt ttgtgagata ctgacacatc cgcacnttca 180
gaacancntg tgcccttgga ttntgtgcac aggaanctag atggncacct gaataggntg 240
atttattctt gnaatacaga aatgtgattt tgagcccaag aataaaga                288

<210> 3312
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c
```

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<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 3312
ggatattttt tagttgctta taggtaggtt ttctttttac tcttccacag aaaagaaaat 60
aatagtaata ataataagac aatgtagtgt ggtgttgcag agtatcattg tgagtgtttt 120
gttttgtttt ctgagatgct tagaaaatgg tgaatgtgta acagtttcca actgaagtga 180
aatcatattc tgttagcatg gagcagcagc actatcttcc tgtctactct ctaacggtgt 240
gtgaatgtat gctaatatct atatatatat attaaatgtt ggatttctct atcaatgatc 300
taagtggttt gcagctggaa gtttgtgtgt atgtgtgtgt ttcaggantg aaaantatcc 360
cacacttaca gtgttatttg taatcntctt acttctctaa cagngatna             409

<210> 3313
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2887

```
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<400> 3313
gcacatatgt gatatttatc tctaaataga atgtcttagt tttattttta tcactagatt 60
ttatgtactt tgaaccacag attctttcat caagtgatct taaaatactt tcttatacac 120
agagcccact tactttctg tgggactgtc tcatttatga aaaatcattg gagaaatctt 180
taatagaaac cttcagattc agaaatactt gcacaatata attagtaata aaatctcgtg 240
tatatatatg taaataattt tattctacaa ataaagtatt tatcttcata atagctgatg 300
gctgctagtt actgtatgct agaggacatc tatcaaccta tgcttaaggg acccaggaat 360
ttatatttta accaactccc tagtatgcag acacctcatc ttgtgctttt aggaaccatt 420
gggtaaaact cattggatac tggnttcacc agttacattt ttgnttttat gaacctcact 480
ggggaaaagg ttacatggaa ggnggtagaa cccccanct gnttttaag tnaagggccg 540
taaaggggga ta                                                552

<210> 3314
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
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2888

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<221> misc feature
<222> (507)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c


<400> 3314
gctncccgac agctgctcgt tgacagtgtc acagactctg tgcttggccc caatggtgat 60
gtaacaggca ccccacacac atcccccgac gggcgcttca tagtcagtgc tgcagctgac 120
agcccctggc tgcacgtgca ggagatcaca gtgcggggcg agatccagac cctgtatgac 180
ctgcaaataa actcgggcat ctcagacttg gccttccagc gctccttcac tgaaagcaat 240
caatacaaca tctacgcggc tctgcacacg gagccggacc tgctgttcct ggagctgtcc 300
acggggaagg tgggcatgct gaagaactta aaggagccac ccgcagggcc agctcanccc 360
tggggggggta cccacagaat catgagggac agtgggctgt ttggacagta cctnctacac 420
cagcccgaga gtcactgttc ctcatcaatg ggagacaaaa acacgctgcg gtgtgaggng 480
tnaaggtata aagggggggg accacantgg tgttggntng ggt                 523
```

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<210> 3315
<211> 67
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c


<220>
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2889

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<221> misc feature
<222> (62)
<223> n equals a,t,g, or c


<400> 3315
ggtgaggacg acgaggagga caccggagtc tgcancctgg anccatttga ccttanntat 60
tnagatt                                                          67


<210> 3316
<211> 500
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c


<400> 3316
gatcgaaaag gtggattcaa cagacctttg gatttcattg catgagaatt gaagtgttga 60
aggatgattt tttttcccct catcttggtc agagagtgga ttttgtattt tgtatttaac 120
ttgcattcaa aaaacaggat ctcagttctc ctttcttgta aagtaagaaa atcttattta 180
tgatatatac agttaactta ccttgcctca acagaagaaa ggttaaatat tacatttttt 240
tcttttagga aatatcattt gtggcaggcg tcaacccat tttatttgtc cttattcctg 300
tggaagcagt atatgttttc ttcctgaatg ctcattagga cttcttaaaa nacatgaaag 360
taatttggaa gtaagtttat ccaataaagc agtatttcta ccctttttaga tttgataaan 420
```

2890

```
attttttatta ctaaagaatc tccccagaca ttntcttttt tttntcacac ctnggattta 480
agtatcttgg attggtacna                                                500


<210> 3317
<211> 64
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3317
gagacttttg acnnttntta gaggctaacc cagagggtag anaggagaac agttggattt 60
ctgn                                                                 64


<210> 3318
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 3318
gggactgggt tcgagttggt cctggctcta tccatggtgc ctggcacggg ctcggcccac 60
aaggtctcag ggaggctgtg cggggagtca ggataggctg gaagcctggg gatggcctgt 120
gtggaggtgg cgtctgtgcc aggcctagaa gtcatacggg ggaggtagca accctgactc 180
tgagtccaac tctcgctgtt ggaactgggc tggccctgtt tcctcactgg ccctgaattt 240
caatccgttc aataaggggt tgggcaagat gatttctgag gtgctatcca tctctgtcca 300
gcttagcctg gaaggtcaag tcctggacac acagacagat gatgggacag cccagcacca 360
ggctcagccc ctggtgggga gcgtgtgtgc agcagctttg gtcctaaata ataataacac 420
aatggtgcca ctaacggaga tttatggagc tcttttccgg ccatgaactt cgtgtncttg 480
cactaatatg aagccattta tctaaaagtc aagttccctt tatnccgnng aaaanatggc 540
ctcttcg                                                          547

<210> 3319
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
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2892

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 3319
accaactacc gggccctgng ctctgtccan gcgcncagct acggaagccc ggacggtcag 60
cagcgnaggt cagcgtctat gcgagntctg ggggctctgg ttccc   105

<210> 3320
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

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<400> 3320
tgcacagact nctggcntat actcagaata aaatttacat aatgctttac atactcacaa 60
aattgtnntg ataaacatac tnttataatt gttgcaacac cttgggaaat agctggnnct 120
atattactgc gt                                                     132

<210> 3321
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<400> 3321
gcccaggtgg tgctgcttgg ccccaggtcg aattcctgtg ctggcagcaa gcaggggcct 60
gggctgtcgg ctggctgggg ctcatgcagc catccccttt gcagccatcc gggtgacctg 120
cataggttcc tgcggggtct ccaacaaggc taatgacaca gcgtgggtag tggaggaggg 180
ttacttcaac agttccctgt cgctggcaga caaggggagc ctgcccgctg gagagcacag 240
cttccccttc cagttcctgc ttcctgccac tgcacccacg tcctttgagg gtcctttcng 300
gaagatcgtg caccaggtga aggccgccat ccaaacgcca cngttttcca aggatcacaa 360
gngcaagcct cgnggtctat atcttgagcc cctttgaacc tnaacagcat tccanacatt 420
ggagcaaacc caaccgtggg ccttctgcca ccaaagaaan ttcttcctac aagcttggtt 480
naagaacngg gcaancgtgg tcccttnaca agcca 515

<210> 3322
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<220>
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2895

```
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<400> 3322
gcccacaccc ggcctaataa ggaatattct gaataacttt atgccaataa actcaacaac 60
ttagatgaaa tggacaaatt ctttagaaga caaaaactac cagtgctcac tcatgaagaa 120
ataggtgagc tgaaaaatcc tctatctatt aaagaaattg aattttagtt tttaactttc 180
ctataaagaa aactttagca gagaggggta ggcaccatct ctgctgtttg gtcgactcag 240
ccattccagc ctgcgggctt tggagagtcc aaaagtttca gacaagggag cgtcccccca 300
gcagcacaac atagtggctt tgccagatca tgaccagact gctgctttaa gcagcctgga 360
tcacttcctt ctcactgggc agggactccc agttgggccc ttcagccatg cccactggca 420
catactatgg acagagctct gatctctccc tgggatggag tgccccaggg aggggagggc 480
tgccacctgg gttggatgga tgactcaact gttccaancc tgcangcttt gganaagtcc 540
aagctgatgg ggcagaannt gg                                        562

<210> 3323
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c
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<400> 3323
gcccacgcgt ccggcctcac tagtggcaag ggcaggagcc actggggaga ggacaagagg 60
cctgagacct gctccccagt ggctccaggc ctcactagtg gcaagggcag gatgaggctg 120
caccgctggg aagagtctat ctaagctctt ggcttggagt cccgtgtcgt ctccacccag 180
aggaagttct ccanagttca cctttccctt ttccttgagt tgtgctgaat gccccacccc 240
agctctcttt cccttctggg tgtctttgct ggganggggc tgngntgtna gccctaccgg 300
nt                                                                  302
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<210> 3324
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
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2897

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c
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2898

```
<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 3324
gcccacgcgt ccggcaaaat tcaatgtgca atttgggggaa agggttctct tgtgtgtgtc 60
tcccatttag aggcagatgg ggccagagtg ttctagagat ccagactcta gagctccgat 120
cccatccacc cctcagctgt ggncacacac caacgcggag cagccctcac cctncccatg 180
caattaggac gaggtgagcg cagacgtcac tctaagctca aactttttcgc agtctcttcc 240
cntgnggnaa aaccatannc ntcnagccca aacangggtn gaaaggccaa atctnnanaa 300
aggttgcagn cgagagggaa ggctccctct gcgcctgaan gcccccangt cctcggnttg 360
gggggaactc ttcagcacan ccttctctgg acacccgaag gaagaatc 408
```

```
<210> 3325
<211> 658
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 3325
gcacagttcc aggttcaccc ggctgagcgc gctgcccttg cggaggccgc gggccctcct 60
ggtgagatcc cttcacgtcc cctggcctcc agtgtcatct gctctgcgtg atatctccag 120
ggggacctct ctgctgggct ccaggccgca tggctgtggg tgaccagcat catgtcccac 180
cgggtcccct gcagtcccag tgcacctgcc tgctcatcca gggacctgtc ctcactgcct 240
gctgcctgca ctgtgtggaa ggacagaggc taaacgacga agcctcgagc tctggtctca 300
tggaaatggc agcctgccca ccacccacgc ttgcccagcc tttcttcacg cattaaaacg 360
tggagagtgg aatcttctgg gcccaggtaa tgcgcctttg ctccgacatt cccttcacta 420
ctcactggcg agctcagttg gaaattcact cccaatagga gttccacggc agacacatcg 480
tgagtcatgg cagaactttg ncttttaatt gcagaatgtt aaagaaagag tcactcaggt 540
agcaaagatt ggcttttcag gggcgatttt atggagctat taactcagag acaccattac 600
ttaaatgtaa tttttattat tacaattaaa gactgatttt gattttatga aaaaaaaa 658
```

```
<210> 3326
<211> 118
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (44)
```

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3326
tggactgact atggcactct gaggctggcc tgcacgggct cannccatga ngangagaac 60
cgatcccttg ccttgcccct ccctgtggca gggctnactg cctgccctcc tgcttgca   118

<210> 3327
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

2900

```
<400> 3327
cacttaccat cttgcctttc tccttgctct gatgaatttg aactttcngc ctaatgtgga 60
cgctctggnt nagcttcann aggaaccatg aaccacttac tgg                   103


<210> 3328
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 3328
gctagttcta gatcgcgagc ggccnggatt tcattgggtt tnttttacaa tantancttt 60
tggggt                                                             66


<210> 3329
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
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```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 3329
gcggactngt gggcccagat gctgagggtc cccatggaca atttgtttca gagaagagag 60
ttgaacagtg gtgagctggg ctcacagctc catccatggg ccccattttg taccttgtcc 120
tgagttggtc caaagggcat ttacaatgtc ataaatatcc ttatataaga aaaaaaatga 180
tctcttatca attagcactc actaatgtac tactaattga gcaacctacg cactcagttg 240
actacgtaaa tctgtcaggt cttttgtgat ttcctctgat gcaggagagg aaaaattgta 300
attgatgaaa ataatgaatg aaaatcaacn gatgaataaa tggttctta tangtgaaaa 360
ananna                                                              366

<210> 3330
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)        .
<223> n equals a,t,g, or c
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2902

```
<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
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2903

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<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (332)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c


<400> 3330
ggccacgcgt gcgntatatt cgggatatca cattngaatt attttagatt agaacaagtn 60
gcaacgcaat taancacgga attgcatcaa aganatgnaa catggatgng aagagatttg 120
gccagtgtgc ntgngncaca gcaatnncna ngntggatan acttaagcta atgctaactc 180
aanagactat gcnactcatg acagcgaant aattgagttt aaatcgcata aganctgaaa 240
ttcacngaaa gatggaagat cttccttaac aaganagaaa atataaatgt tgnagatgaa 300
ttanaaatgc acttttatga aattcagtta cnaactatat gaagttaaan t         351


<210> 3331
<211> 443
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c
```

2905

```
<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
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2906

<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 3331
gntcnttttn tcttataaac cttttgccta ttaatgctgt anancctact tcttcacagc 60
aaatacccan cagagaaaca tntgaagcca ataaagagag aagaaaaatg acatcaaagt 120
caagtgaatc aaatatatat tcacctttaa cctnttttat cactgctgat tcagaactcc 180
atgacattat taaagatttg gaggattgnt tgatggtggg tctacacact tgtggngatc 240
tnggntccaa atactttgcg aatatttacc tccaactctg aaatcaaggg agtttgcagt 300
gtgggttgnt gctaccacct cttatctgan gaatttgaaa accagcattg agaacgtact 360
cnggaaaagt ggggatttcc aatgggccac tatttaaagg aagagagatg gtgctgnggn 420
cgtaatgcca naatgtaanc atg 443

<210> 3332
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2907

<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 3332
gattaaaagt gctcttctca tagcacgagg ggaatagctg ggcttctgtc tcagaacggt 60
caccgtggca tttgccttaa ccacgccatg cccctgacct ttgtatttgc aagtcttgag 120
gataattaaa atggggaagt atttttgtgc ctatttggcc ctaggctgaa gagtttcatt 180
ctgtcctgta gtctgaggct aacctaaaca cattaactta ngaaccgacc tgacttctga 240
ccagggacaa gacccantgt gggaggttat tttggattac accagtctgc tttggtctgg 300
gtgtaagcat tgttcgngct ctgaatgtgg nttcaccctg aatcacccan catacaccgg 360
tctcattgnn tgcctg   376

<210> 3333
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 3333
tattattttg ctgactgtgg nttcatnaac acantaaaaa tatagcttgg aaaaaaaaa 60
a   61

<210> 3334
<211> 491
<212> DNA
<213> Homo sapiens

2908

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<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2910

<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 3334
gaacatttct tcccttttaag taaatntttt aaaatgngtt tgcatgggta tgngtgtgta 60
tgattnctgt gtccttcatt gngtcngaat gntgacanct gagttgtngn cctgagggng 120
tagtatagng tgnncttaaa catttnaggn attnttgaat ttatctatgt tgncttttgaa 180
tcttttacag ggattctata antgccgtca tgtaatctgt tacagaaggg aggctgtgtt 240
ntgtgtcttg tatatttctt ttctttcaga aattacagat gtttataatt agcttcaaac 300
actgccttaa tagcaattgg aanataactg ccgtcanncg acgtggtctt tcccttttact 360
tcatgaggag aatgactact aatctggaag aaaggtctta ctatancact caggatcacc 420
agagtatgtg ccgaacactt tctgnnttaa tctgaaaatn tgagtcatgg aaaatggaag 480
atttgcaaaa n   491

<210> 3335
<211> 157

2911

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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 3335
ggtagccatg acatagcttg agctatagcc tttaattcct tactttggct atgggtggag 60
ggtgagtttg aagaggttct gattttcttg taacctggga aagccatgac cttgngcccg 120
attctttnan atngctttgg gtaataaata ttggngg                          157

<210> 3336
<211> 248
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
```

2912

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)                    .
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 3336
gggacggtgg accctgcgcc tgggaccgcg tccgtcctgc tcgccgcgca tggccgggaa 60
cgcggagccg ccgcccgccg gagccgcatg cccccaggac cggaggtcct gcagcggccg 120
ggccggggggc gaccgcgtct gggaggacgg agaacatccg gcgaagaagc tcaagagcgg 180
tggcgactag gagcggcgcg agaagccgcc nnagcggaag anngngctgc tcatggccta 240
ttcgggca                                                       248

<210> 3337
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3337
gtgacatggn nacacaactg gacacgccag gaanntggca gttcccagac ccancaatga 60
```

tag   63

<210> 3338
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

2914

```
<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c


<400> 3338
ancgcnctgg gaaacgccct taggataagt ttacgctnna acgccctgca ggtaccggtc 60
cggaattccc gggtcgaccc acgcgtncga ggttagatgg gctctgncca cactagncat 120
tacaacatca cggaaagatg aagttagaga cttggtatta anctttggta tgccacttgn 180
attagattca caatcttgta ggctgggcaa gatgcttanc ctgtcatggt ctgcntcctg 240
```

2915

```
tnctattcaa tgatgattat tatntacttt ataatatcat aaagactaaa caggctcatg 300
catganatat tttggnagag gagnatggag tatgtaacac ttgacattac tggtactatt 360
caaaaggatc nctgntt                                               377
```

<210> 3339
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<400> 3339
cgggaatact cttnggtnat ttcgcgnagg tacccggtcc ggaattcccg ggtcgaccca 60
cgcgnccgac ccttanggcc ttttacgctt aattcctggt gaaggntggg anangaatgg 120
canctgaagg gcggtntnaa aatttccctg ggggggcttc tcactggtct ctactcatnc 180
agtaaggggga tctgtgacca tgtgtggggt gggacaggag agacacacgg ggtcctggaa 240
gcnctntgng cacangatgg gagggcaca                                    269

<210> 3340
<211> 159
<212> DNA
<213> Homo sapiens

<220>
```

2917

```
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<400> 3340
ttggtatgca acaaatanga aactgataac ctggctnann ctacaattca atggaaccac 60
tattttgttc ccctggtggn tactaacact tccaaaccag cagactcaca gttgccagga 120
caggaagcaa aaagnctgna agccggttat taggngnaa              159

<210> 3341
<211> 152
```

2918

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
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2919

```
<223> n equals a,t,g, or c

<400> 3341
ngnccgnagn gattggcaaa ctcccagcgg tttaagggtn taaaagggcc ccgcaggcca 60
ccagggtccg gaattcccgg gtcgacccac gcgtccggat gtgccaggga gtgggtgtgg 120
agacccggac angggcgcag nnanactcac an                                152

<210> 3342
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 3342
gataaacaac tcagttaacg tttacatagt aaataattgc attgccttgg gctggaatag 60
ggacgccaga aggtatagga ccatgtggaa ttcagaaaag ggagccctga agaatgagat 120
tttattgttc ttaccaggag agtccaggtg ctagagttct ctccttgtaa gtgactaacc 180
ttctcccttt tggtacacaa tcctcagatg aacggagatg attcattagg ccattctagc 240
ttaatggatg catcactgtg caaccacgca aatgcctcat ttctgattca ctcatttaat 300
atttattgag gagtgctggg tactaggcca ttagaagaac aaacaacaac aacntaggcc 360
tggaccttgc acttgcagag tcacaggcta nanaggcaca cnagntaata tagaaca    417

<210> 3343
<211> 287
<212> DNA
<213> Homo sapiens
```

2920

```
<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c


<400> 3343
gggcctgntc tgncgagang agagcagatg gaatgagttg gtgacccctc ttaatctgta 60
gcctcaggga aacacggcta cccaatgcca agatggtaaa ccntcaactc gaagagnaag 120
atcaggacgt atgcttaagg tgnaagggtg aggagnagnt ggtaggcagt atgtttgcca 180
gtgacattga aggtgagaga aacaaaaatt acaaatgaat gatattttct caatnctgng 240
gaagaagtgn tacaggcagg cctttgntct tagagctncc aagatgg                287


<210> 3344
<211> 322
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c
```

2922

```
<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 3344
ngcaacnaat tgacttagaa ggatacaaaa taaataatan agcagagtgg tgtctgcaag 60
tcttcacagt agactcagag cttaggtgtg agggaatgag acgacacaga tgggtgtgga 120
agccacctgc ctaggagccc cattccccca ggaacacatc cagtttcaag aatgtcgcag 180
tccagatgtg ntgtactaat cacaggtcat aagcagtgtt gcctgtaata tagctgacat 240
tcgacaagat ttctaaggaa acagttntgg aaagttaacc tgtggatgtt aagtcctgct 300
tcattgntgg ncacttangn tg 322

<210> 3345
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
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2923

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c


<400> 3345
ggcaaagatg acngcagcat actgngaacc ctgcgcccaa cngctgacag agaagagggt 60
gaatgtggag ggngggagga aggtggaagg ngagctgggg gg                   102


<210> 3346
<211> 156
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c


<400> 3346
gacatncacg catggaagca tcactgctat atannaggct caccatgnct caacngaatt 60
aaatgtttat accgtagatc ctgagatcag caccggacac tgnanccaaa tnttntagga 120
ggcacatcta cgtactagag atttgcnttc catagg                           156


<210> 3347
<211> 280
<212> DNA
<213> Homo sapiens


<400> 3347
cgtccggtga aacctttgct ttctggccta attactgagt taattagggc ctagaccaca 60
gtaacctcca ttcccaccca gagtctctga ttcaactctg atttgaccct agcttgtcac 120
cctgacaccg actccacagc ctttggtcct tggcactctg atcccgaccc ttggccctct 180
tccactggga agtagcaatg ggtggaccgc tgggctgtgg tctgggtggt ctatagctgt 240
ggcctgaccg cacactgcaa caactttcaa tgcccccaa                        280


<210> 3348
<211> 100
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c
```

2925

```
<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 3348
tgtncctggg caaatcccca tgnggaaagc cggggggaagg gaanccatct ttccccccgt 60
gggggnncga gccaaagttg ggtggaaaaa accccattgg                       100

<210> 3349
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 3349
```

2926

```
gaacctgtan cttgntcttg attgtctgga tgtcctgaan cctttgggac atnagaanat 60
aattgagcaa tgaactggaa ggcttaggca ttcgcttgaa caggaaaccc cccaacctn  119


<210> 3350
<211> 602
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (601)
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2927

<400> 3350
gaaaaaatac tgtatgatat agaaatgcca tacccccctac aattatttgg gcttttcagt 60
gaaaattttc aatgagtcac atcattttct tccaatttt tcatacagga aaacatggtt 120
atatattata aatgcctcta ccttagtctc tctggtcttt ggataatctt gcatattgct 180
actgaaattt gggagttcct cctccataca gcagagtana tacagagtgc tgccaggagc 240
tgccaccctg agcacagaag gctactctgc agcagccttg ggactgggcc acatggncat 300
agaagcagcc anaaaggaag aaagggtggg gtgaagccaa aattcaagcc aggcattttc 360
aacttcagcc cttagctagt gaggtcattt tccatgtaat ctctggttcc actagattca 420
atgnctctta aatggtgaac acacaaaatc tgaacccatc ccatgaccat ccagaccaac 480
acaatgatgc ttgcattcct gggcattggc attggatcag gaantagtgn gagtccanaa 540
ttaagcctgg gctttgaggt acccttttgac cccactttca tgagggcttg gacttanaga 600
ng   602

<210> 3351
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

```
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
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<222> (233)
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<220>
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<222> (262)
<223> n equals a,t,g, or c

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<222> (263)
<223> n equals a,t,g, or c

<220>
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<222> (266)
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<220>
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<222> (269)
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<220>
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<222> (280)
<223> n equals a,t,g, or c

<220>
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<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2929

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<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<400> 3351
ngggagtnag cctgtttccn tccatgggtg ggaagacttc agcacaaang aaagactaat 60
tcttgncagg cattttgaa aaggctgatt atgtgtatca aggtacagca tcgnagggtt 120
cccctaaact tgccctgttt ttgttttttt aggtttgcta tccccttact gancggtctc 180
tactangtgg ctgtgattaa atgtcccaag caaggatagg gaaggggaat ggntgagcct 240
ctggagatca ttgtaaccaa tnntgncana cctgtttggn gcagtgnnga gcaaacctag 300
ataangacct gtttggggca tgacnggagc anaatctcct ttaacaacca agcagttcct 360
cattcacatc aaccagagnc gaggctgtga tnacttagga ngntancaat cctaataagc 420
cttcagtgcc att                                                    433

<210> 3352
<211> 59
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 3352
gagataatac ttgtctcctg aaatctgtgg ccataaanna ggcttgnata tggncanag   59

<210> 3353
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
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2931

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<221> misc feature
<222> (12)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c


<400> 3353
gcnnatctnt anntttaaa tcaaatactg aataaagaat gaagatcttc ctat          54


<210> 3354
<211> 518
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c


<400> 3354
gctcaaggtt gtgcctggct acgctcacac tgttgggcaa aagcacagac agatatgctc 60
catttccaag catgtgggag ctgagttcca tctctttcag gttaacatat gtgtttctat 120
gcctgactct caaccttgga cctgtacctc tgcaatcact tggccctgga tggatgaggg 180
agggtggcat gtgaatagaa actggaccag ggagaccacc aaggaatgat gtgccctcga 240
gcaagaggaa tttaagttta tgtcattata aagctctgaa gatatttcaa tgattatgat 300
ggacaaaatg gagctcttaa ataatcatac agggaggcaa gtgtgatctt actgaagaat 360
gaagagtcta atgtagtggt tccatgttgt tttgggagtt gcagtctggg ttctcaggga 420
tcttcactac caccctcac cttgccttga cttgttacac tgattctgct gntgaggact 480
```

2932

aaaaggtngg aaagcngaat atnntattca aatgcata   518

<210> 3355
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 3355
gtacttctct ggttttgggg ttacttgtaa ataagtctac gtatataaca tgtctcgtgg 60
attttgcatg ctacactaat ctctgttaaa tctatcccct ctttattcag agcatgctgt 120
caaggtcctt taattccaat tttactactg taagcagttt tcactgtggc agctctaggg 180
atctgcatgg cagccagggc agtcttgcct tgagtgttgc agacagaaga ggtnctggtg 240
ggcacatttt ncgagtgagt acctacacta gaccaatact tttagcttgt agaagagaaa 300
accccaaatt ttaagngttt ttaatgnttc caggaaaaaa aatgnttact ctggggttag 360
aaaccttgat tncctctgag ttcttccatg gctnagttct aaatctttct tcagagctga 420
taaatncatt atctcctgag tttcttttgg tnataaacna atgatgtant cagcccttgg 480
tttatgcaaa aaan                                                  494

<210> 3356
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c
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2935

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<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (278)
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<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 3356
gncaantata agtnattaca tgtntttatt tgngtgtgat taaaagcata aatgttcaat 60
gtcancattg aaaatatatc acanttttgt aacctttatc tggagcattt cttcattnac 120
ttatatatca ngaatattaa aaaaaaaatg gactggacca ntcaatgcca ntganccctg 180
cntttgnngc tttacccata cttgcaangg tgatgctgtg aangctgaan actggtcang 240
aaattggaan ancttntaaa gaacattttt tnncacanca aacctggtnt ctnaaaattn 300
ctatnttntt ctgaaaagtg cccagtntct nggaacactt aaaataaatt gtcactgaaa 360
taaaaccttg accttcagaa aatgganaac ctgaggttat cttcaaaaga cagaattgct 420
aaatttttca actaaaatct tgaacactat tacnactagg aggtgntcct ttgnntg 477
```

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<210> 3357
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<400> 3357
gtctataccc attttgggta tagaagataa aactattggn atttcgtttc ttttctgtac 60
ccaaaatgga ggttaaaagt tacactaaaa ataacacgat tgcaccaaag aaagcgtccc 120
atcgtatcct gtcagacacg tcggacgagg aggacgcgag tgtcaccgtg gggacaggag 180
agaagctgag actnttggca cataccgata ttgcctggta gtnaagacac canagccttc 240
taatgccnan cagtt                                                  255

<210> 3358
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<400> 3358
gaatatccct ggccagantg atgccttgct gaaggttacg ctgtcntttg ggagagcgat 60
nctcntgcct cagactnttg agtatttggg acaacaggca                        100

<210> 3359
<211> 94
<212> DNA
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2939

<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 3359
gctagttcta gatcgcgagc agccacccac tgggagtctt gttttttattt ataataaaat 60
tgttggggac acctcaaaan agnananntg aaaa   94

<210> 3360
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

2940

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<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 3360
gcacttgcag aagatttcag ccccggccac gatgtttgct gtcagcggat ggaaaagtct 60
tcctcaattt atggttcata ccccattctt ctgaagtgct ggttatgttc aaaactctgc 120
cagaaaaggc agctttaaa gccttaaagc gaactctaca gctgatagct cctctgcatg 180
atatcgtggc ctaccttgtc agttttgcta agcttggcaa ttgtccanca tgttttgaat 240
ttctcgnagn accnaccctt tganaggtga ctgg                              274

<210> 3361
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c
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<400> 3361
aatgtccgna cacggtcccc aattgccggg tcgacccacg cgtccgtgtc accattgctt 60
ttgacantnt tcaacactga gcaaaactcc ggggcaaaan tggggnnaa            109

<210> 3362
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
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2942

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<221> misc feature
<222> (144)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c


<400> 3362
cnacgncatg gccatggcct ganaactctt ccagtatatg tngcagaagg agcgantgga 60
accgctccac ctggcaactg ccgaccctca cagaagctgc tgaaattcnt gaataagcac 120
ttnatctgga gatcacagtc cnannggtga acaaatt                          157


<210> 3363
<211> 66
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c


<400> 3363
gctcttacgg tgcaatcctg ccactatagc ggcaggattg caccntaaga ggnnangttc 60
taaatn                                                             66


<210> 3364
<211> 88
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 3364
cggcaagaat ggcagaactt accaaacaat taaaagagaa attccttttg aacccttgaa 60
nttattgaaa ccggaacntn acgnattt   88

<210> 3365
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

2944

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<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c


<220>
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2945

<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 3365
gccgcacatg agccatgaga gcagctgcaa ggggcagctg aataattatc tggaggtaac 60
tgggtttgat tcagactctg ggaacaaagt ccatagactg gagctcctgg gttgaggggt 120
gtctgttatt gctcaatcca gggtcagaag aggactgggt agctcattgt gtgtctttta 180
caatggtaac gacttttcct tttctcacga gtcttctgag ttagagggaa tgacaaaaac 240
agccaaagga ttaaaggttc aatagctgag ctggaaatac tangatatgt ggctggacta 300
aaccaccatg aaaagcaaaa agaaagtggg agatgaacta ngtangaatn nananatang 360
gagggaccac tgattcanaa gngacttanc aacgatnata acttgcaatt atataccttt 420
taaaataact ctcatactga tctgncactg angaatactt cctacatggg acctgtgctt 480
aaaaacataa tgtggatttt aggcccacac tgntncngga at   522

<210> 3366
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 3366
gagataactg ccaaaaatca ccagaaaaat acttttcaat ttatgagcag attattacaa 60
gagcaattta ccaagaccta ccaatgaaca atgaaaacta tgaactgtta ttctaaagct 120
aatagaaaga tgtggttttc atgtccattt ccatcatctg cacaatgtaa cctttaaaaa 180
tatttcttaa agtgttaagt ttatgggagc aaaaaaatat tgaaaaatta tcagaaagtt 240
cacaaaaacc ttacaaactc acatgtcatc agattaaatg ttctcagaga gcctgcagtt 300
tttcacactc cctgcaacct catggtcatc gctccacagc aagataaatg ggtgacaaga 360
caatcctctt ctantttggt tggcaaatgt caatatcagc atactttcaa gnctttctat 420
gtaaatctgc aaatanagcc tggnctttga tttaacttat ttgagtgctg nataagactc 480
ttagaatgac nggttcttct ggtttgacan aagnaaggcc tttatctatg tctcaa   536

<210> 3367
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (40)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c


<400> 3367
gannacgcgt gcntagacag cagagcacac aagcttgtan gacangagcc at          52


<210> 3368
<211> 68
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c


<400> 3368
anatataata aatgaganat aataagagat antatatata aataagtata aaantaggta 60
aaaatatg                                                          68


<210> 3369
<211> 100
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c
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2948

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3369
ccgngagatc gggacgcgca acnggccgtt ccgggttttg ttaaatnaca ttgtattggc 60
agcaacagtn taacaagagg agtaagcaag ngtggtaaac   100

<210> 3370
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2949

```
<222> (83)
<223> n equals a,t,g, or c

<400> 3370
ggtgggctgc agtgatgact ttggctttnt ttccaaaaat gacggnagcc atactgtgat 60
ccctgncccc aantgctgca cana                                          84

<210> 3371
<211> 92
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3371
ggtgatttaa cagtgtggga tgataaaatg aggtgtctgc atagngaaaa agcacatgat 60
cttggaatta cctgctgnga tttttnttna na                                 92

<210> 3372
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c
```

2950

```
<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<400> 3372
gcgagagtaa ggaaataaag ggaattgcct ntggctagag agtnggttag gtgttaatac 60
ctgntagaga tgtaacggat atnacctccn ttt                                93

<210> 3373
<211> 87
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2951

```
<222> (82)
<223> n equals a,t,g, or c

<400> 3373
gcacttgcag aagatttcag ccccggccac gatgtttgnt gtcagaggat ggaaaagtnt 60
tnntaaattt atggttcata cnccatt                                     87

<210> 3374
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 3374
gaggtacacg gcanctngag aggaatgcnc cnggagaaaa gaccaacgca ctgaaaagaa 60
gccgacttag nagttcaaat acagatgaca cccagctgcc nagcgaaaan gccaaggaac 120
aa                                                               122
```

2952

```
<210> 3375
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 3375
agcgaatcna gtacctccaa ganggaagac tntctgngag ttctactccc ataagtcaga 60
tgccctcaac atgatcggtn ttgtgcgacc tgcaagtatg ag                    102

<210> 3376
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
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2953

<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<400> 3376
gcntcanaat aagtaaagtt taacantgat tcancanttg tcattatcaa agaataaaag 60
actcaagaat atgcaatact ggggagactg ctgagtcact gtggccattt ttagataaac 120
cttttcctgt ttataataac acatgctgat tgtaggaaac tagaaaatac atgaaagtgc 180
agagaaaaga ctaaagtca tctatacttc aggtcgtaga aataaccact ctgaacagca 240
cacttctttt tacactattg ttttacactg ttgggattac atanatatat atgtntgtat 300
nccactttgt gaacatnatt ctatgtgaac tanaaatgg   339

<210> 3377
<211> 67
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 3377
gttgacgcgt gggtagttct agatcgcgag cggncgccct tttttttttn tcccnnttcc 60
cccccan                                                            67

<210> 3378
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 3378
gcccgtttcc cggncaattt ttcncccttt tttcncccnc aattaaagnc ccaatttcca 60
aaaaaaaact tgggggaacc caaaaacttg ggggcccttt cttttccctt tttttccccc 120
cttggggggg aacccaaaaa aatttttaaa ggggggggccc ctttnaaagt tccccttttta 180
acccgggncc atttgcccct tgggcccta atttcttggg ncttctttcc tttctttnc 240
ccccttgggn cctgggntct tggtcttctt gaagcttctt gg 282

<210> 3379
<211> 90
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 3379
gatgagagct gccataagag ggatccctga gcagtgagac tcaggatgga atnattggan 60
nnaattgcct cctactttgc angagggcaa                                  90

<210> 3380
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (57)                    .
<223> n equals a,t,g, or c

<400> 3380
gtngacgcgt gggcgcgcgc acagagctct ggngcgccgc tcccagncac agccttncgc 60

<210> 3381
<211> 208
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c
```

2958

```
<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 3381
gcttgaaatn agtgagagca gactnaccaa acctngntgg tgganctntg tgttccgttn 60
gcctctaggt ggcagtcaca gcatttataa gtcctgtcat attcttaact gagattttga 120
gtttgagccc tgggaacatt ggagactacc aaaactncct agttntggcc tnttncttga 180
aaattganaa agggaagaac tgaaacat                                    208

<210> 3382
<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c


<400> 3382
cacgcntncg taaaaaatga aggggataat atatgataaa tnatgntctg atatcctcct 60
acagtagttt aaattgacag aaaaatttga atgn                              94


<210> 3383
<211> 111
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c


<400> 3383
ggngagtata gggaaagctg ggacgcctgg agggaacggg ccggaatncc cgggngganc 60
cangtgtgcg gggttggagt tatatggaga aaggagagat attaagnata g           111


<210> 3384
<211> 100
<212> DNA
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```
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<400> 3384
gcactgggag aagaacctct cataccctcg gtgctgcagt ggcccagctc actcggccca 60
nacaccatgt gtgannagga tnaccatcgn gctcgtgtgt                        100

<210> 3385
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 3385
ggactgacaa cactccacac ntaacaaccc aacagaatga aagacaggtc ctttgctagg  60
tatactgttt acctcagtct ccactatccc attacacaca aggtctagca ttcaataaaa 120
aattaggata cataccaaaa agcaaggcaa ataatgactc cttatcaaga gataaagtag 180
tcaacagaaa cagaccaagg agtaatgcac ccagatgtta gaacccatca aacagggact 240
ttaaccaagg tgagcattat aaaagatata gttgaaaagg tggacagata ggaaacttca 300
gccaaacaat gaaaactata naananaaca tanatgcnga aaaaaattg                349

<210> 3386
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
```

2962

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c


<400> 3386
gcggacgcgt gggctgacag tgtcttacac aatgatttat acacataggt acaaagtaaa 60
taagacacat tgtcaagctt tctttagatg taagtatttt caaaattatt tttaaaatga 120
ctttcaaagg ctttaaacat agactatcaa aatcattgac attttctgat acatttctaa 180
gttcaaagtt atttggggag tatctttttt ttaaaaaaac agacagatga ngcaaccata 240
tattttatat cttacattac cacctacata gatcttttga gcattatatt aaattatnct 300
antatattgg aggctactga ntggaatcat ttgnaaangg cat                    343


<210> 3387
<211> 245
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c


<220>
```

```
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 3387
ggtagatatt aaaaattatt ttttctaaaa ttaatgttat actaaaatca tagtttgaat 60
tgctgacata ttaattgtgg attaaataat ctatatctta cagactgaat catattcatg 120
ttgttgatgt cctttanaac aganaatggg taatgtgtan attaactata nagacattac 180
cagtgtacat aaaagctatt aaaaatctta atattgtaat ttancactgt attccctnta 240
cctan                                                               245


<210> 3388
<211> 77
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c


<400> 3388
gcctangcgt tcgctgcgaa gctgaggatg agtgatgggg tggaggcagt aacaggngcg 60
gcganaggag aagtgat                                                  77


<210> 3389
<211> 237
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c


<220>
```

```
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c


<400> 3389
ggcaatatct gttgcagctc acccttttac atagtcccca gattattttg actgatggaa 60
ttaacccagg gaacaacaat ggggggctca gctccactct gtgtcactct gggaactgtg 120
caaccaagaa taaactagga ttttgttttg gcatagcagg tgaggaaaca caggctgtgg 180
tctcttgcaa aagtctgtct gaaacttntc tnactntant cctattctca ttanact     237


<210> 3390
<211> 63
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c


<400> 3390
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2965

gaataaacat ttgtgtacaa aatgaaanan ntacaanata aagaatataa aaanatgaaa 60
aaa   63

<210> 3391
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 3391
gacttcngta agctcacctg gaaccntacg actcattana gggaaanctg gtacgcctgc 60
aggtaccggt ccggaattcc cgggtcganc cacgcgtccg aagatattcc tttttttgtc 120

2966

```
ctagagaact tattttcctg ngaaaatgcc taccacaaag aagacattga tgttcttatc 180
aagcttttttc accagccttg ggtccttcat tgtaatttgc tctattcttg ggacacaagc 240
atggatcacc agtacaattg ctgntagaga ctctgcttca aangggagca ttttcatcac 300
ttacggactt tttcgtgggg agagtagtga agaattgagt cacggacttg cagaaccaaa 360
gaaaaagatt gcagttttag agatactgaa taattcttcc caaaaaactc tgcattcggt 420
gactatcctg acctg                                                  435
```

```
<210> 3392
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c
```

2967

```
<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 3392
cttatatggg ancctctacg actcattata gggaaanctg gtacgcctgc aggtacacgg 60
tccggaattc ccgggtcgan ccacgcgtcc gaacgctgat gtcntgcaga aattatatct 120
gagtgcattt ggctggacta gctatttccc tttgtcactt gatgatgctg caagggaatt 180
tctcagtttg ttctgctcca ggagaacttc ttgtcancat gggcaactct gaaagccttc 240
tctgattagc ctcccaagtt ttctggntnt antaaaattg gaagcagtat atatgtngct 300
aaatttcaat antgtgcact gncgtagtac atctactttt aaggacttgg taccttnnat 360
ttaatatatt angtaaaacc atgtaaaact ggcatttttt ataagttaaa nattgtngac 420
ta                                                                 422
```

```
<210> 3393
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
```

```
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c


<400> 3393
nacgactcnt tatngggaaa nctggtacgc ctgcaggtac cggtccggaa ttcccgggtc 60
ganccacgcg tccgcccacg cgtccgcacg gcgtccaggg cgaccagccg cgggccgcag 120
ggcatggacc ttcaggccgc cggggcccag gcgcangggg ccgcggagcc gnctcggggc 180
ccgccgctgc ctagcgcgcg ggggcgcccc cccagcccgg aggctggctt tgctacagct 240
gaccactccg gtcaggagag agagactgag aaggctatgg atcgactagc ccgnggaaca 300
cagagcattc ctaatgacag tccngcccgg ggtgagggca cccantctga agaggaaggc 360
tttgccatgg angaatgagg actctgatgg agaactgaat acctga          406


<210> 3394
<211> 74
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c


<400> 3394
gcaaaaatct attgtggtat gcacttgatt aacttattca tgtgaaagtt tncncnaata 60
nataatanga tgat                                              74
```

2970

<210> 3395
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3395
gcggacgcgt gggcagactt ccagaatgag gtctgtgctg gcncttncct tcncacacga 60
ncntag   66

<210> 3396
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>

```
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 3396
gcccacgcgt ccgngagcgg ccgccctttt ttnntgtttt tgntggaaat atatagntgc 60
actgagtg                                                          68

<210> 3397
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
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2972

<223> n equals a,t,g, or c

<400> 3397
gaagccaaca aggaagaagg gggagaaatg gatttgggca gccagacagc actgtctgct 60
ttacccgcct acctccatgt atgaattgtt tggttcaaag ggtgctgcac aggattcctc 120
agggctacac gagttaaaga caaagattca aggaccctgg aagagtctct ctgtcaaggc 180
agtgctggca tctgcagcaa gatagagctc cctgcagggt gtccctggtg aaaactgcag 240
acaagtgctc tgaggtgctg ctgcagtngg ctcctcacca gaccagttct gcagcgtggt 300
ttgagtgttg ttcctggctg caaacctgct tctccagccc gctactgatt ctggaagctg 360
ccaaatatcc ttttaatgaa ttccttttct gctaanaaan nnn   403

<210> 3398
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3398
acacagggggg gggaaaaaag gncaacgggg ttaaacagnc cnncctggcc caggggggttt 60
aaaccgcggg gggtacccgg ggggaaaatt ntttacacac gggag   105

<210> 3399
<211> 76
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<400> 3399
ggtgagaaca agagagctgt aagacgcatn cgtaatgatt ggggggggct aaaaaaaaaa 60
tntntncccc cgggnc                                                 76

<210> 3400
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3400
ngggggaaaaa aagccagnng gctaacaggc aaacgccaag nggttaaacg cggggttaca 60
ccgggaaaat tttacacaca gngagttacg ggaacnccca accgaccg   108

<210> 3401
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 3401
ctaggggggg ggggnaaaaa aaaggtcccn acgggggttt naaacaggac cccncctgcc 60
cccagggggt ttaaaccgcn ggggggtttac accggggggga aaaatt   106

<210> 3402

2975

```
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c.

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 3402
acngggtccg gaattncccg ggtcgaccca cgcgtccgcc cacgcgttcg aantgtttgg 60
ncaggatgag atgatcgngg ggggggggtt attaaaaaag                      100

<210> 3403
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 3403
gaacagnggg taaaaaggcc acggggttac agaccatctg cccagnggtt aaccgcgggg 60
gtacccgggg aaaatntaca cccgnggggt acgggaacnc ccaacggncc g   111

<210> 3404
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

2977

```
<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<400> 3404
gcanttatat ggtacttttt tattgttcat ggcttttttt gcacatatta tataatttta 60
ttcttacaag aaggcccaac ctattttata ggattaagat tttgaacata ggatgatgac 120
atgatttgac aaatatcaca cttctgtaat ctaaatcttt cacttcgttc aaaacctcgt 180
taaaaattgt atatcctttg tgaaactgtc tttcactgcc ctcactctaa gataatttcc 240
cagttaaaaa aaattcctaa gcaattttgt gtgctgtcca tgctatacta ctaccatcat 300
atctgtcttg tacttgntct taattntttt atgggcacat tttatgtttt cctgaccata 360
ttgtaaattc ttcntccttt cttaaatctt tccacctgag atgtncctgg tatanaacca 420
gatgaacatt angnacttta tgaatacttt                                    450

<210> 3405
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<400> 3405
gcctcaagtc cttattgttg aggagtcgat ggtggggtca tgtgggacca tgtcagctgt 60
gtgcagtgtt aagtgtgggt gctgcagagc ctgttttact tatggtaaag taaagttcat 120
gccatggact aaacctggtt ttctggaact gctgcttgct tctattaaaa ttaccagcag 180
attgcatgtc tggatctgca taccagcagg tggaatcagt tgctttgctg actaatttac 240
aagtggaaga aatatctgtc tttgcaactg caacctgtta gagtctcctt gtaactaggg 300
ccattagtca ggaaaccgta tgatgaattc tagtacatac ttctatgtat acacattgtc 360
aagactaaat tttaaaaact acaaggaaag tagttcagaa tcttacacaa caactgatca 420
taattttcct tataccacta tatttttggg attaccagtg tnaccaaagg attctttaac 480
naat                                                                484
```

2978

```
<210> 3406
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<400> 3406
gcacccgggc ccagagtgac agcagccaga cgctgggctc ctccatggac tgcagcactg 60
cccgcgagga gccgtcctct gagcccggcc cttctcccct gccgctgcca tcccagcagc 120
aggtggagga ggccacagtc caggacctgc tgtcctccct gtcggaggac ccctgccctt 180
cccagaaggc cttggaccca gcccccctcg cccggcccag cccagcgggc tcggcccaaa 240
ccagccccga gctggaacac agggtaagtc tgttcaacca gaagaaccag gagggcttca 300
ctgtctttca gatcaggcct gtcatccact tccagcccac tgtgcccatg ctggaggaca 360
agttcagatc tttggaatcc aaagagcaaa agctgcacag ggtccctgag gcctaaacct 420
gcatgggctg ggtgaaatga agggagacag ncatntnaaa actctctggg ancttgaagn 480
ttgcaa                                                           486

<210> 3407
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c


<400> 3407
gattttctgt atgggtattt agaaattctt tatatgaaaa ataatngctg gttcaaaata 60
gaccatttta acaaagngac tatatttctt tttacgaaaa tgctattttt ctatgatgta 120
aacaattgtt aggcggcaga ttttttaagga agtattattt tatttaagag nctgtatccc 180
tttgtgtgan aggaacccaa agagggttca cttttgctnt aaagctctgt nccttaccca 240
ctgacaactc tgntacnttt attttatccg agaaaatgtc aa                    282


<210> 3408
<211> 90
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<400> 3408
gggagaaatc ttgtcaggga aatcaggtat tangtggtat ctaatcataa ggttttttgtg 60
gnctttaaat ggattgacta cctnnatgnc                                   90

<210> 3409
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
```

2981

```
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c


<400> 3409
antgctgaga cagctaaaga tgttggctng gaagcaacca ttcatttaaa gagtgcgtac 60
canccttact actcngaggg agttnggcag tggaataaaa ntc              103


<210> 3410
<211> 439
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c


<400> 3410
gccnaatgcg cattagttcg atctcaggag tgagggcatg ggtgctaagg tccatgtcct 60
aaaggagaag aatccagacc atcagctaag gtccccaaat aaacactaag ttgaactaac 120
```

```
gaagtcagat tgctaagaca gctaggatgt tggcttggaa gcagccattc atttaaagag 180
tgcgtaacag ctcactagtc gaggagtttg gcgtggataa taatcgggca tcaagtgttt 240
taccgaagct atgggatacg taagtatcgg taggggagca ttccactctg cgttgaaggc 300
gaacgtgagc tttactggag cgtgtggaaa agcaaatgta ngtataagta acgataaagg 360
gggtgagaaa ccccctcgcc ncaagactaa ngtttcctga tcaacgctaa tcngatcaag 420
ggttagtccg ggtncctaa                                               439
```

```
<210> 3411
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c
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2983

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<400> 3411
gggccactcc aataggtgct gagtgtacag agtggaataa gacagagacc tgccctcaag 60
agcaaagtag atcatgcata gagtgtgatg tatgtgtaat aaatatgttt cacacaaaca 120
aggcctgtca gctaaagaag tttgaacatt tgggttacta tttcttgtgg ttataactta 180
atgaaaacaa tgcagtacag gacatatatt ttttaaaata agtctgattt aattgggcac 240

2984

```
tatttattta caaatgtttt gctcaataga ttgctcaaat caaggtttct ttttaanaaa 300
tcaancatgg tnagtctgnn ttanaaaatn acccgaanga aaanttnnaa attggncact 360
tgaaaatctt agggaaaaaa ttaattcnaa taaatttncc attttacctt taagaacttt 420
aaatggngaa cntttaaaaa agcnattttt ttttaaacct tcctaaagtt tt          472
```

<210> 3412
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 3412
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gcggacgcgt gggttttaaa aaagctaggc ttgattgttt attctgcatg gtccacttct 60
gccttccttc ctcttctatt acccttttct tattctagac tgtttttaaa ctcagttatg 120
cttgctttca ccaaagcctt aacctttcct gtgattagaa aaagatgctt atgtttccat 180
tacttttcct acaagaaaac gcattctcaa attcatattc actatacagt gtgtggcata 240
acaccaagct taaatggtca ctcagtggac ttcacaataa tggccacttt atgcttntgg 300
atgcaaaacg ntngnanagt                                             320
```

<210> 3413
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (262)

2985

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c


<400> 3413
gtgtctgttc tagtctgggt ttctattaca ttcttgagtc cttgtaagaa ggtgtcaatt 60
ctgttggctg tttaacaaca caggttggtt ggtcttaatt gacaacctac aatatctata 120
ctccaggttt gtgccagaga taatgaactt gaattttctg cttcccagtt cttgtaattg 180
gattgtatga aatattcttt tttttgtgat ttaccaaagt aaaatttttt ttttagaagt 240
ttagaagcat gtacaagttt anaagaattt tacaannact ntttntaa               288


<210> 3414
<211> 59
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

```
<222> (54)
<223> n equals a,t,g, or c


<400> 3414
gggctttgct catgagagat gtcaggcttc ctggnggcat ngnggctttg agcnctgat   59


<210> 3415
<211> 138
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c


<400> 3415
gctagagaac aagtgtgtgc ctgcccagtc agtgggtgcc cctcagcctt ggccacagga   60
cagatgtgag gccatgaact gatggcatgg gagcacgggg ctggggtggc ccagccgtcc  120
cganaacact nanntncc                                                138


<210> 3416
<211> 63
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3416
gcannggtcg gtagtttgag accagcttga ctgggcatgg nggggggaccc tttatntcct 60
gan                                                                 63

<210> 3417
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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2988

```
<222> (52)
<223> n equals a,t,g, or c


<400> 3417
gctcctcctc cagcaggagg tggtggtgta nttgatggtg annctnacat cngcgagaga 60
gtt                                                                63


<210> 3418
<211> 125
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c


<400> 3418
gcgtcactag acgacacggc tgtcttcttt cctggagaat ttctcaagga ctgctggctg 60
gaaacttaac ggntaatgng gatctgacng tagnttgcca aattaagaaa acgtttntac 120
cctgt                                                               125


<210> 3419
<211> 383
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c
```

2989

```
<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c
```

2990

```
<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 3419
taatgtaaaa ttagatcacg agttcctttg tagctaagaa aatttgttac actngattan 60
agctatattt aaataataac ctgtgtgcag gaatggatat tatgcctcat tgctaagtta 120
tgtgaaaana ttgtagaaac tctttcaggc ttgattttgt agtttttttt ggctgctttc 180
cnatataatg ancacttgtn anatggccaa ctggagaatt tctcatggat aaaaatacta 240
taaaaccaaa atattgcttc ttgtatatca tttaaataca gatagtgcca tacattgaag 300
ggactaaaan gtaanatttg gcttcatttt caaaataatt ttatttgnta ttgncacagt 360
agcaatagta aaatgaagca nat                                       383

<210> 3420
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
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2992

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 3420
cgcgtgcatc ttacgcgtca gatgaactac cgnctacgtg gnctgcttaa gcngagtata 60
cttttctcct gcttttctgg aagagaanag catgtgttct agtgctnacn gcgcggcctt 120
cacgtccgct tctccccaag tggtggcagt acctggccat aggaaggngg attntancag 180
cctgcacntt taaaattgan gctgatgtct tanctcgatc tttgnttatn gctgcttntt 240
ctangcttca aagtgtgctg aattctatga aaattacaat gancagtcta acctttgtaa 300
cactttanta cttactggca catttcactg anaccatttg aaacantgtt accttctgaa 360
agtcatttta aatgtatttg nanaata                                    387

<210> 3421
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<400> 3421
gcgcgcatga gggccccgtc catggaccgc gcggccgtgg cgagggtggg cgcggtagcg 60
agcgccagcg tgtgcgccct ggtggcgggng gtggtgctgg ctcagtacat attcaccttg 120
aagaggaaga cggggcggaa gaccaagatc atcgagatga agattggata accaagaaat 180
gactaatcaa gagtctgccg tacatgtgaa aatgatgcca gaattccaga aaagttcagt 240
tcgaatcaag aaccctacaa gagtanaana aattatctgt ggtcttatca aaggagganc 300
tgccaaactt canataataa cggactttga tatgacactn a                      341

<210> 3422
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<400> 3422
gtgtgaggct gccgagcgga cagcgactcc cggggaagcc cgcgctccgg gagcgggagc 60
aggagcagga gcagcgccgt cccacgccag aggcgancga cgggcgccgn nagagnngag 120
agc 123

<210> 3423
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

2995

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 3423
gncgcagatt catgcancat tccatatttt tttaaaaaaa ggttacactg tgcaccgacg 60
tggagctaga aggaaaagca tgaantctca tgtttgctga ctataaaaat aaatcatagt 120
aataatatta ttgaacattc tactttaaaa attattaata aaaccataaa tgaaacactt 180
gagcacactt taaaaagtac ataaacccat gagtccatat gtgtaattnt atgttgnctg 240
ttttattatc caggatttca tactcagatg agcattagca tcaggaaagc ctgaaatgcc 300
ttaattgtga actgatacgc aggaaaatga aatatgtaag cacattggtg accttggtct 360
ttacagacat catgatcagc cttcagcnat acngaacaaa tgagaaatta gaagcaattn 420
aagaaccgtg tgatggtgtg aaacccactt ttgaccgnn   459

<210> 3424
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<400> 3424
gggacctggt ggtgctgctg tttgaaaccg ccctgctatc ttcttgtcgg ncttaaccct 60
gaccacccca ttgnggaaac ctgnggnana aggctgaagc   100

<210> 3425
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<400> 3425
gcccacgcgt ccgagttaat agaagaacat gaacattttt gttatgtatt gaaatccaag 60
agatccgttc cgtttatctt aacacacaaa gtgtatactg tcacatataa attatgcctt 120
acaggtaggg agagtagaca cagttgacac agcgtttttg atgctcagtc actgtgacca 180
aaaactcttc tattcgtgtg ttgccttcat agagggcgat ctttanaaat ttgagaaatt 240
cnaaatttga gaaattccta catttgnatt ganattgcta ctatttaaat gacccn   296

<210> 3426
<211> 82
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 3426
gctcatcaga gaagattgtc aaaangngaa gctgtgggat gaannggttt cacatnttgt 60
ggaaggacca aattttctga aa                                          82

<210> 3427
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 3427
ggtttttgcag tcttctgctt acctntgagt cactggctnt catgttacta tatctattgt 60
tgttttatga tctattttga gtatggtgct tatgatcttg gaactaacgc ctattntcta 120
tatgnagatt attctatnat ataccattca gtctnatnga attaaatgat a          171

<210> 3428
<211> 176
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
```

```
<223> n equals a,t,g, or c


<400> 3428
gatcgcgact atgggagctc cggggggaaa gatcaaccgg ccccgaacgg tgactgtgtg 60
ggggccgcga ctttgtttcc tcaagcgttc ctgagccctt ttatctcgca cgagatggga 120
tcagagctga agaagaagct gttcaaacgc cggcggntgt tgaatcnnga gcnagn    176


<210> 3429
<211> 278
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c


<400> 3429
gcggacgctt gggcaatctg ctagtatcta ttttacaaaa tgcagagcca ggtccctcag 60
cccagactca gtcagacatg ttcactaatg actcaagtga gccttcggta ctcctggtgc 120
ccgcccggcc agaccgtcag cttgataatt actaaagcaa aggcctgggt gggagaacag 180
gtttctagtt tttacccaag tcaagctgca catctattat ttaaaaattc aaagtcttan 240
aaccnaaaat ttggncatga accattaang aatttana               278


<210> 3430
<211> 53
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
```

3000

```
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3430
gganaaatct tacagaagag aaactgtnaa gcaggggtta tcanggnaaa tnt          53

<210> 3431
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c
```

3001

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 3431
ggtcaccatc actgaagagt ctgggtgaac tggggtacta gctcccaggc tggaggtggc 60
ctctgacaga catggcctct gaggagtgta gcaccaaaca cggacccaaa agcacccctc 120
agaaaaggaa agggatgaag gggtcatttg cctgttttac acatttatcc agatcaggac 180
ctgnaaggga agacctcctt cactgttgct gagactgcga gctcttggaa gacggtgact 240
gtcttttgt ctctctctct ccccagaact cagcagagta acccatgact tgtttgactg 300
aacagagtgc ccatgggttc antgctctgn tctagtctcc acctgccagt ttccttctga 360
cnctgctatg ancaacccnc atatt   385

<210> 3432
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3002

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<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 3432
gcaattctat actagtattc caggtgtaga aagnggcttt cccagctcgc aggtgtttcc 60
aaatcttgtc ttctgattga aaatttgctt cccagatgac atttctcagt ttttcttttt 120
gtgaattgct taaccaccta agtgttcttt cagttttttg cttacaattt taatgtgtct 180
cattgctact ggtcctcctt ctaatgtagc tgagcttgtt aattctactt tnggaaaatg 240
tcaantggct ttcccttttcc tctaatnntc cagcttcatg catcccctgg ccataagata 300
ctttcagact gtntgatata ttctatcact tgtcagnctt atgtccctgt ggttgactat 360
ataagcangc tttanggttt gggacttgta tttaggattg atagtaaagg tntcntgaaa 420
gccta                                                              425

<210> 3433
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
```

3003

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c
```

3004

```
<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 3433
gaaangaagt tccaggatac ggctatactg acaaactcat cttggcatta attgtgactg 60
aaatactaac gattttgatt atacttttct gcctcattgt ggtttaggat tgggtgtgtg 120
tgtctcctct ctgaatggca ctcaaatgtt tgctgactcc tactctgcgt gactggggtg 180
tacagctatg gactgatgca tcccatccca tcatctttca cgagcaaagc angtctcttt 240
tttgacagct tgaagaanaa tctgtangga atccagaang agcattcatg aagatgntac 300
aagcccggaa gaattacaca agcactgagc tgactgttga gccggaggan ccctcnnaca 360
gcantggcat caacttgtca ggctttggga gttgagcagc tanacaccat atgactanag 420
tgatgttatc tgcgcnctaa ntacatttgc ctatttctca ncaatt          466

<210> 3434
<211> 118
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c
```

3005

```
<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 3434
atctaanctn aggggcgntg tnccccttca caaagccaag ggatctggtn ctacccatcc 60
ccgcagtgtg cactaagggg ccccggcagg ccatgtctgc atttcggtgn ctnnttga    118

<210> 3435
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

3006

```
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 3435
aaacngtang tctnaaaaca cagaattgcn acctnccaac aaatcagtcc tttgatctac 60
taaggcaaat ctgctttgaa attgttaata ttaggggtaa cctagtaacc agatttgtaa 120
caagacattt attttcttta cacggtgaaa agtgataaac cttttttacat ttgttgtatc 180
aagggtccat tgtagtttga acaataagta aaagttcaat atttgataag aattttatgt 240
gaaaagtttg cctggtagag attgtggcat tcttaatcct catattttt aataaggctt 300
accactggtt agaagtgtca ttaggatgtt gttgctgaaa gagttgaaat ttaagacaat 360
ccacattgag cccatgagaa aagaattgcc tctgctgagt ttcatgtaag tatcttaaaa 420
catatgaata tccctataaa tttgatatcg nggncaggtc anantaan            468

<210> 3436
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
```

3007

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3436
gcccacgcgt ccgnaatttt taaaaacctg tcaatggtta tnggatggnn atatacaaat 60
angtgtattt                                                      70

<210> 3437
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c
```

3008

```
<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c


<400> 3437
anttgagcac cacgccttcc ccagcttgca gnagnacacc ccaagcgctg cttttcacct 60
gtaccttngt tctattatta ttattattat tgctgntgtt gcatcggtna ctgtgggcat 120
ggaatgcctg aggctggcan tctgggttgg tcacaccact ctctgctgng ttgacttact 180
gntgtcttca ttaaagcttt tttacgnggn a                              211


<210> 3438
<211> 229
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c
```

3009

```
<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 3438
gcccacgcgt ccgtctagat cgcgagcggn cgcccttttt ttttttttt canaagagct 60
acattgtgtc antggacatt tttaaaaact gtgattttta ataatgtcca atgactgcaa 120
gtcggcctgg attttcactt gcaaaggnta cagctgcatt gtnaggtctc cnagccctgc 180
agagagctcc ntccactggt tagcagtgtg ttgtgttttn cattcattt              229

<210> 3439
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c
```

3010

```
<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
```

3011

```
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 3439
ttggccaggg gtaacccggg gtcccgggna aatttccccg ggggnttcgn accccacgnc 60
ggtcccgcnt gcaagtcttg gattgggcaa cccgggcttc cccatttccc gggcntccag 120
ccctcncaaa tccggacccc cattttcggg cttgcaaagc ctcgggnacc taagctccgg 180
gccctcgggt ctatccgggt tgcatcctcc ctccctgttc cggatcttat cttgcgccag 240
cgcctactcc aggatcccgt agccagacct caagccatgg ctggtccctt ctcccgtctg 300
tgtccgccgc cgggactcan gctctgcttt ggcggacggg gtctctaccg tgggtttgtc 360
gacgaactga cgactgcagt aacgacggag gtgatcccga cntganaccc aactcgaaag 420
acacaactga tggcagnact gaccanagct atnacggttg                        460

<210> 3440
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<400> 3440
gaaacaattg gagagccctn tctggagggc tctcagagta gctntntgnc cattgttctg 60
aattaacttg tgtcccaccc tggacaataa atggacanat aaacccttng aaatacaagn 120
caccaccccg tgagggatta agagggcanc ctggttnact tagtg          165

<210> 3441
<211> 86
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
```

<223> n equals a,t,g, or c

<400> 3441
gcaccaatgg aagcagctgg cttcactgct caggtgntta tgggtgaggn cattnaggcc 60
aaataagcgc cgnctgtgcc nctgta   86

<210> 3442
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 3442
gggaaaagag ctgagagttt atgctgaaat ggatttatag aatatttgta aatctatttt 60
tagtgtttgt tcgttttttt aactgttcat tcctttgtgc agagtgtata tctctgcctg 120
ggcaagagtg tggaggtgcc gaggtgtctt cattctntng cacatttnna cagna   175

<210> 3443
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

3014

```
<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 3443
acttgagagc ccctnacaaa gaatccacac tgtccatgtc ngggagcagt ggtggtcaac 60
agccctcang gattgaatga gggtgtnaag nggtatgaac cggatcattn tgctatcca  119

<210> 3444
<211> 440
<212> DNA
<213> Homo sapiens

<400> 3444
gtcactttttc tatgggtaat ttcctggttc aaattacatt attatatttt ggctgatgaa 60
ttaagacgta tctaaatcag acatgtcaga ttagacatat cagatttagc tttaagaaag 120
tccaaaactg tccattctca ggttctgagc aggtcttttg ctgagtttca gggtctgaga 180
tgtatggcat cacatggcag gtggtacctg agagcccacc tgaggagggg gctttctgct 240
ggagagggag ggagcttcag tgaggaacct gtggggacag ccatctgtca agcattggtc 300
tgggctctgg ggctataaag acacagagaa aggcatgtaa agagagaaga aaaatacagc 360
ctaggggctt tgctggagga agctggaatg ctgtgggggt ccggacaagg cggcaaccta 420
acccagattt gcccagggaa                                           440

<210> 3445
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
```

3015

```
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<400> 3445
gcggacgcgt gggccattat ttcccttca aacaaataat agtagtgtga cctttcactt 60
aattcctact cccttaatgt gagagagaca aaatgagctg aanaaggaat taantgaaag 120
gtnacactan nattatt                                                137

<210> 3446
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
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3016

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 3446
gnggaatccc ccccctcata gggcntccnt tnagattaaa ccgcaagcat cccaaacatc 60
attcaagngg ggggaaaaaa gggacgtcgt ggtgaaccgc cgcttcgtcg aagngggtga 120
acaccgcggg tgcnccgcgg gaagaatctt ctccccgcgg ggtnccgcag cactccacag 180
nccgctgcnc cgcggtcgta atcttgcgat cgccctnt   218

<210> 3447
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)

3017

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c


<400> 3447
tnttggcctt ggccttggac cggccttcct tgggnggttg gaaatgnaaa attggggaaa 60
agngggggtct taattggttg gggtnccccg gaaaattcta gnt                   103


<210> 3448
<211> 221
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c
```

3018

```
<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c


<400> 3448
catcatcngg ngagaaagaa cgtcctcgtg atcaaccgcc tctcgacnag tgatcaccgc 60
cgtgctccnc cgagatagat tctccccncc gggtgctgca gcaacccacc accggctgct 120
ccgcagtggc cttgggccat cgtggggcct cgtcgccttn gtcgaaactt tctagggaaa 180
gnggcaaatg gggacgccgc gtantatntn gggtcgagac c                    221


<210> 3449
<211> 110
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c
```

3019

```
<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3449
tnataganag accctcgctn tcccttaatc aaccagacgc tcgattttcc agaaagatcc 60
agtctcgntn aatgccttag aaaatgcaag taaggttagg nctcttngag          110

<210> 3450
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

3020

```
<222> (428)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c


<400> 3450
gaagcaattg acttgttctt taaccatcct atgagaaagg aacaaacaat ttggtcaatt 60
actatcctgt caatgcaaat gaaatggcaa aagcaaaaca ataaaaacac tttcagaagt 120
aaaaactaat tttgtatttt cagaaacaga ttttttttcaa agtgaaaatt tatttcttgt 180
atcagtaatg tgacttactg cccaatggca acaaatgctg tgaatgagtt tgtccaaatg 240
taatttaaaa tatatatctt gtaatgctaa aaataggttc tacaaagtaa ttttattatg 300
aaaaatctta aagttgcctc aactcgtaaa gcataacagg tatgtctgtt tcactatatc 360
tgcattgtaa ggnctattct gaattcattt gggaagaatg gtgaaataaa tccctaaang 420
cctctttnct atgcattaaa atagaaaaat cctatgggat tacattcatg tnggctttct 480
aaataatgcc aaaagctcat tttattaagn ataatctgcc tanccatgcc ttaaataaac 540
tactttggnt ttanaaaaa                                            559


<210> 3451
<211> 355
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
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3021

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 3451
gccanntgac aagtcacacc ctccccatta gtatcctgtt aggggaaaat agtagcagag 60
tcattgttac aggtgtacta tggctgtatt tttagagatt aatttgtgta gattgtgtaa 120
attcctgttg tctgaccttg gtggtgggag ggggagacta tgtgtcatga tttcaatgat 180
tgtttaattg taggtcaatg aaatatttgc ttatttatat tcagagatgt accatngtta 240
aagaggcgtc ttgtattttc ttccnatttg naatgtatct tatttatata tgaagtaagt 300
tctgaaaact gttnatggta tttagtgca tttgtgagcc aaanagaana gatta   355

<210> 3452
<211> 158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

```
<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c


<400> 3452
ngnatnccta gggaaaaccc ctcactatag gttaaagctg gtacgcctgc aggtaccggt 60
ccggaattcc cgggtcgacc cacgcgtccg nccacncgtc cggtgtgcct ccgactcgga 120
acggnttccg nggccggggc agngagggcc gggggcgg                        158


<210> 3453
<211> 78
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c
```

3023

```
<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 3453
gataatntac agccagagag taactcagca attgtgtagt ccagcatttc tacaanntan 60
gtatncacat gtacctta                                                78

<210> 3454
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

3024

```
<222> (90)
<223> n equals a,t,g, or c

<400> 3454
gaatttcctt atggagaaag acaatgtata ctttggcaga gtagnnntaa aaagaatttt 60
tantatttca tacatttcta aatttttaan gga                                 93

<210> 3455
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 3455
gcttaagtag tgtgttaatg attgaaactg taattgcctt cgggttgtgc tttagtctgt 60
aaatgtaatt tttaataata cttacattta cagtggcatg tcacaaactt cagcaacttt 120
ccagttgtan agtaagcaag caccttaagt agtgtgttaa tgattgaaac tgtaattgcc 180
ttcgggttgt gctttagtct gtaaaattct aaaggagagc tgctaaattg ntttcttaat 240
aaacattttt ctcatttgta aaaa                                         264

<210> 3456
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 3456
ggtaaaatcc tttgttaaaa tttaagaaag atctaagttt ctgcctcaga gtacttttca 60
gtcacataaa agggcctcta aagaaagact aatggtgtga ctgaccaatc cattcaatca 120
aacaatagcg cgtccaagaa acttaagggg atggtcctta tcctgcagcc atttcagcag 180
aatctcaagg tagaggaggg cttatctgaa aaagatttgt gcgtgtggct tttgtttaat 240
gcaaagaacc ccagtgagat tcctaggacc cccacaaagc tttaagagga atgtatttta 300
aggatcactt actagtttgg attaaaaggg gtnaanaaaa gtacaaaatg aaaaagatgc 360
```

3025

ctttggaccc ccaaacttt   379

<210> 3457
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3457
gcagatataa atcatgtctg aacagacntc ggaggggctc ntacagggga gananc   56

<210> 3458
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>

3026

```
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c


<400> 3458
gaaaagctta aagaaggttt tactgatcca gatgttgtcc agagacttcg agccttgagg 60
gttcttggtg ctgatgttgg tgaaggtgtg cgcggggatc agtaaaagct taaagaaggt 120
tttcacaggt cactgggctg tggtgagaga aggcctcacg aacccttgga ttccggataa 180
ctggtcttgg ggcggngtgg cttctgaaca ctgcnantgc taccgagttc tacactgaaa 240
aggactggan caagaangac                                            260


<210> 3459
<211> 83
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c


<400> 3459
ggaattnaga tgtnaccgtc ttggccatcc nccttgggaa cgtatatnaa ttcctaanct 60
accttaaatg cataatcaca aaa                                        83


<210> 3460
```

3027

```
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 3460
ggcacctcag aaggggaaaa gctaaaccca gagctgtcag tccctctatc ccttctcctg 60
tccaggggcc cagagagaaa cacacctacc cctggccttg ccagagtggc ttctgaggac 120
tccctgccca gcccagcttt cactgggggg agacgaggag aggcaatggt ggtcttggca 180
acagaatgct cagcccctcg tggcaggact tgacaagggc aagcttgacc aggaagctgn 240
catcagggat cttcccctgc cccgcaaagc taggctccag ctgcaggcgg gctcccaccc 300
tctgctcctg gccttgggca agggcactca gcgcctcgcc tgccctgcc ttggccaatg 360
cgaggtcctt ccttatcccc accatggggt ccatggtcta tttattctcg cccagcttac 420
cctctacaca nacactgtnc tgngtgcaca ctnctncctt                       460

<210> 3461
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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3028

```
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 3461
ggagcgagcc tctctggtcc cgacgggggt ggccngggtc tcctcnactc ctgacganng 60
nccaccg                                                           67

<210> 3462
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c
```

3029

<400> 3462
gggtggntga agtgtacgac cttgcggcca gcaanggggg cggtnatnga gggcctggat 60
cgg   63

<210> 3463
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 3463
gaatgaattg actttcataa aaaggtatag aacctgttgn tgggcatnat ggnaagggan 60
n   61

<210> 3464
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3030

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<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 3464
gtgcntttat tttcaggggg tacttggcaa taacattctg cagacccacc ttgtgctatt 60
taggagcata agctggaaac gccctgccag ctgctgcttg tcaatggatc taaacttcta 120
cttttacagt ctaatgaaga cccagccctt ctctatctgg ggacaatctg tgagtttggt 180
cagtgtctgc cattttatgt cttatgctca ttatcaacaa ttaacacaaa gaacagatag 240
gatcttggct gtttctgcct tanggaaaga gcaatttttt atggcaatta gaatataaaa 300
cttaatatca aaccattcat attaaagtca caggctattc taaaatatgt ctaatataaa 360
caataaatct ggttattatc attctactca aatctttct ttgngcttta gagggtccaa 420
taaggtacta ttccagaaca nganaatagg aaanagctca ng                    462

<210> 3465
<211> 251
<212> DNA
<213> Homo sapiens

<400> 3465
gggtggtggc tgcacagtag acgccccctc acggcttccc ccacacgctc ccgccccctc 60
gctcgcccat cgcgcttccc tcacaggctc tgcagtcctc ccccacagac gccttccccc 120
ttggactctc attccctttt ccacggagcc ccgcgctttc gtgagccccc tcgaggaacc 180
tggtctccgc atccagttac cacctcctgc ctcagaggcc atctgagccc ttcgcacctc 240
gcccctcagt a                                                       251

<210> 3466
```

3031

<211> 73
<212> DNA
<213> Homo sapiens

<400> 3466
gcggacgcgt gggttggaca ttgagtctgc tgtgtctgag tgcactcaat aaagattctc 60
ctgctttaaa aaa 73

<210> 3467
<211> 148
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)

3032

<223> n equals a,t,g, or c

<400> 3467
gccnnaagcc tggagggtct gaccatcact ttganaacaa ttccagactc ccaccccagc 60
cccaaggctt cggggaaatg tgggtttgct ggtctctctg tcgncttcnc ccacctntcc 120
tggacctagc angccctcag tcntagct   148

<210> 3468
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3468
gctatcanca ttgtttcaaa atagtcattt ttagnactgg ggaaaaatan   50

<210> 3469
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>

3033

```
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<400> 3469
gaaaaaattg tttttttgcg tgctattttt gtgacacact tcttatgttt caggcatagt 60
gccagctgtt aacagttata gtgagaaaag ggacagacac aatttttgct cttatagggc 120
ttatagacag tggtgatgcc acagggaggg catggagagg tgaggatggc atgtgttttc 180
ttcctacaat ctccatcaga accccccattc gtttctgtgt tcagttgaca tttctcaacc 240
ttagtaagta ttatgcaatg gaagcaaagg ccccccctacc caaacagatt atttccttcc 300
acctgtgtag aaattctgga ctcctaccat ttatagtcaa gttcgggaga tagacattaa 360
acaaatagtt gatcaaagaa tcacttaatt acagttaaca tcagcagtgc atacaaagta 420
cagagagcan aggangggggg cacagcctga ggccctcaga aggntcccca gaactcanaa 480
tctgcanaat tcagactcag cccagctgac ttantggtan aaagccccaa naaccaggaa 540
aagagccttg gggaccctan ncctttgagg aagaaaccaa tgtgtca 587

<210> 3470
<211> 58
<212> DNA
<213> Homo sapiens
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3034

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<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3470
gatgantcgc actgttcgtt catcagtggc tgaagggggn ggaagnagtn caccattc     58

<210> 3471
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
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3035

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 3471
aacaggncat attcgngccc tcgggcctta catcacntgt ctcggtgtgc ggaagaagag 60
tgccactnac aatatacgna gcccttgact gttcgagacg gttgctgana attgtcgatn 120
tagaggagcg tcaaaaggag tncgta   146

<210> 3472
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

3036

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<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 3472
gataatagtg cttattgttc aggtcacatt tcaatgaaag aagttttgtt ttctntattc 60
cttttccnag aaacttttct acttacaaaa acaatcattt taaactacaa aagccaagaa 120
cttacaaacc aacgccacag acaactttcc tcatcatgac tgctttcaga aatgtaggaa 180
aactgtgaaa ataccatatt gtattttaat caagtatctg tttcattgga tattttagaa 240
taagtaatta gaattcattt taaaattacc agtcaattta tgtttttatc aagttagaat 300
tttctgtgat ttctgataaa tggtaatatt acttggaaag gattntactt tttttgaaat 360
taanttcatg antacattgg aangcctnat                                  390

<210> 3473
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3473
gnttaagcag catggaagaa cagcttaaga ccattcantg gttgctncta cccnttcag  59

<210> 3474
<211> 56
<212> DNA
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<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 3474
gatgacgcgt gggatttttt gtanccacag gnttccaagg acttcanntt attatt   56

<210> 3475
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>

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<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 3475
cntanaanaa aagcaaaagg gtggctttct cttcaggatt ataatattta ngctacgcag 60
tggcaatgga gangaacata gcatgtttgt atgaatggaa naatatnant            110

<210> 3476
<211> 64
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
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3039

```
<223> n equals a,t,g, or c

<400> 3476
gcagctnctc aggttcagac tgacaggaag atgacgatga cgangagacn acaggantgt 60
tana                                                                64

<210> 3477
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<400> 3477
gggggagtga tcacattttt cacaacagta agttaagaat ttcagttact gacatccctc 60
agtcctgatt aaacctattt gatttcacca gtttttaacc catcatatgt ttgggtttct 120
tctccccagt ccctgactcc acctcttctg ccacaaacgt cagcatggtg gtatcagccg 180
gcccttggtc cagcgagaag gcagagatga acattctaga aatcaacgag aaattgcgcc 240
cccagttggc agagaacaaa cagnagttca naaacctnaa agagagatgn tttctaactn 300
aactgg                                                             306

<210> 3478
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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3040

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<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 3478
gtttaaagtg gactnatttc anatacaaag cttagangag ataccatgag tttatnatn  59

<210> 3479
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c
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3041

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<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c


<400> 3479
ggcaccatct tcctccattt gactttttaa tgctttacaa cttcaggcta aagggagggg 60
atnttgtgat gngttctcct cccaacatng cnagcggccg ctctana              107


<210> 3480
<211> 196
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c


<400> 3480
gctttcctat gttgttgaaa ctaaaaaatt cacttttagc tgtgatcact ctaggcctca 60
canaattcga gttaatcttc tgtcaaggtt aactaagcat tatantctca tgaaaatatt 120
acatgaggat tataaatcca ttttttgttc ttattctgca cacttgcttc angagaatct 180
gttcnactca nnaata                                                 196


<210> 3481
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3042

```
<211> 198
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<400> 3481
gggcaattga ttagtaatgt cagtcgtggt tgccagacca gggagtggct gtaggtatgt 60
gtaggggaag tcacacatgc aaaaagcacc tgggttcttt cctgacctgg ttgggttgct 120
ctgggcaagt catgtcccct ctggccttgg ggtccctntg ttaaatggca nggctgantc 180
antggcttct gggtnact                                                198

<210> 3482
<211> 170
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
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3043

```
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<400> 3482
gggggtcctc atataatatg aggcgcagag aataggtcca ggcaactgtt taacaaaaac 60
acagggctgt gctaactcgc gagatgacgt atacagcctg acacctgccc ggtgccggaa 120
ggttaanagg agggttcaga cttcngtcna aggcctgaat tgaagcccnn          170

<210> 3483
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3483
gtctanatcg cgagcggncg ctctagagga tccangctta cgtacaangt gcatgcgacc 60
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3044

ancata　　　　　　　　　　　　　　　　　　　　　　　　　　　　　66

<210> 3484
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<400> 3484
gcccacgcgt ccgattagag aaggataagt aggaaaacat attcaagact actgtagctg 60
atcaatattc aaattgatgt gttttaaaat ttattttaag gttttacaac cnnaacataa 120
ncatgctttg acncgcn 137

<210> 3485
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 3485
gcggaataaa tgttttctca ttcaaacagc atcccaggnc gagcatctan nccangattn 60
tataatcc                                                         68

<210> 3486
<211> 228
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 3486
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3046

```
gcagcgtcag agagaaagaa ctgactgaaa cgtttgagat atataggaaa catcaaaagg 60
tgataaaatt tccctagaat ctccactatc tcaaagatga agaaagttct cctcctgatc 120
acagccatct tggcagtggc tgttggtttc ccagtctctc aagaccagna acgagaaaaa 180
agaagtatca ntgacagcna tgaattanct tcanggtttt ttgtgttc        228
```

<210> 3487
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

```
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 3487
gaacctnttg gaccccttng aataccgnaa ntatatggaa agctggtacg cctgcaggta 60
ccggtccgga attaccgggt cgacccangc gtccgagcgg atgnagcgct ntngtcttct 120
gaggctctng gtgccctgtc cttttc                                      146


<210> 3488
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<400> 3488
gctgactttt ctgacttgtt tcttgaggga cttggaaaag gggaaggtat tattcacaca 60
gatgtgtgta tgaagcctaa ataacatcca acttttttc caaaaacata gtaagagttt 120
aaccataaat agaagagtaa tattccttta aatttcttac aggcatgtaa aattttatgt 180
gtttatagag agatgctaac tgtcagcata tagtatttat attggggcaa gaagggttaa 240
atcaaatctt ttaatttaag taagcatagt tcctttaaag atcaagtagt atttatactc 300
tgaaaagagt accaagctta gttcagttat ttattcatcc attttttttc tattggttct 360
cctctggggg gaaatggngt tttgn                                       385


<210> 3489
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
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3048

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c
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3049

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<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<400> 3489
ggnaccantt gctgtgtatn ctngctcngg ttcntcnnct cactncttat tctnaacgac 60
ggattatgtg acagtgaccg aagataagat ggatttgntn attatctcac acgntgtaaa 120
tgttgancct ttttgatctg tttgttngca aaggccctg                        159

<210> 3490
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c
```

3050

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 3490
gggcatggta tcaaattatg taaagaaaaa cttggtaaac aagaaattgt caaatttata 60
atcatagcta cgtatttgaa cacagcgctt agaaattgtc agataaagag ttcaaaatag 120
aggaaacatt ttgaattata tagtgcacaa attttaatag ctatagaaca tttgttttca 180
aatgccatga aaaaatgacc atgaagcaaa aaccacaata ttttttttgtt tgntgatagg 240
taaggaattc angggtccat cctgtcatca caatgcaatg aaacaaaaaa ttagcaagtg 300
gatagcaata aatcaatttt taaaaatcag acaaaagaaa acactgtcct tgtaatgctt 360
gcatttaaaa ggaaataaaa acttatgaaa gagaatcttt attttattta agcagttcta 420
gattatacaa aatgttgaaa catctcaatt tggnctctga ngctagcata atccttattc 480
canaaaattg ntnatca   497

<210> 3491
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<400> 3491
gttgacgcgt tggttnnacc tcaagaccat gcggtangtg aggnngctct gcgtgcgc   58

<210> 3492
<211> 358

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 3492
gcagatcaca gggtgagggc cacctccaca cccacccct ctggagaagg cctggaagag 60
ctgagacctt gctttgagac tcctcagcac ccctccagtt ttgcctgaga aggggcagat 120
gttcccggag cagaagacgt ctccccttct ctgcctcacc tggtcgccaa tccatgctct 180
ctttctttnc tctgtctact ccttatccct tggtttagag gaacccanga tgtggccttt 240
agcaaaactg gacaatgtcc aaacccactc atgactgcat gacngagccg agccatgtgt 300
ctttacacct cgctgntgca catctcangg aactgaccct cangcacacc ttgcanaa 358

<210> 3493
<211> 319
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c


<400> 3493
gaaaaaaaca gctctcttta aaacagcttt ttcagccatt ttacattact tattaactag 60
tctaaggaat gttattctgt gagtttttaat tacaaaatac atttgtttta atattgtctt 120
ttgaattaac attctgtctt ttagaaatac ttcgtgtagg tcacagtttg tgaaggaaat 180
cctaatatgg ttngnggttg aatgttagtg actttaattc attgtataat ggttattttc 240
catttaatat atcttgaagn agttgttcan agaataggtg ttcataanca tgggacttgc 300
attgaagngg nttgaataa                                             319


<210> 3494
<211> 76
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (15)
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3053

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3494
gccatcaccg aattngggag ctnttcaaaa tgaagtttaa tcccttttgng actttccgac 60
ccgaagcaag gnatcg                                                  76

<210> 3495
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c
```

3054

```
<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 3495
ttgtttgtgg ngnaaggctg ggtaagccca agaagactcc ngtgggggg ggccgcttgc 60
ttttgggccg ngangggagc cccaagcccg ggaagcaagc cctcttttcn gaaagngccc 120
ggccgggacc ttcttcaaag ggcggnngga aaacnggaaa gggaaaaggc ccccg      175

<210> 3496
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
```

3055

```
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
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3057

```
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 3496
gggatttctg cnacgcctgc cggtaccggt ccggaattcc cgggtcgacc cacgcgtccg 60
cncagcttct gtnaccatgg atttaagacc atgttggatc caaaagttgg cctgaaaccc 120
tgaagctgat gcttcacagc tgggctgtaa gtcagacttg aacccagctg atatgcaagg 180
tcatggcgtg cccagggtgg tgacagttga acaaagtgta tagtacgtnn caagcngtgg 240
nantggaaan ntgnatacca aanggacttt gnaggaccaa aggttttaaa aggcaattgn 300
tatnacctcc acactgacta gggtagnggg gtgcattagg tttcaaattg ggnacttta 360
acactttang tgcctgactg ctgttctttt actgacttga ttcaagtcac tcgnagcttt 420
attggtctga accaagntcc ttgttcccag gttacagacc tgcctatcgt tccantaatc 480
ctgtttaact tgaatgaaag ggaatttgcc ttaaatggaa aagttcctng gttttaaaan 540
ngactttn                                                          549

<210> 3497
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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3058

```
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<400> 3497
ncagtgtaac ttacagtttc ctnnaaaaaa naaaaaagta aacctggcag ctatagaata 60
cactatgtgc atttataata gctattttat atattgnagt atcaacattt ttaaattaaa 120
tgttttacat tcacaagtgg tggggagtct tgtcattaag gtgtgtgtaa tttagagtcc 180
agttggtttt cttctgactg cacttgttct catagtagta aaatgctatg cgcatttata 240
ccttgcataa gtcctcattc taccacatgt taaccctcta gctgataatg caaacactaa 300
ctgggggatt ttatttataa gggctctaga aaaaaccgag ttattcacac cagcatcatc 360
ttaactaaca ttcttgaact aggtagtgca gctttttnttg tgttgngtgg ttggtctcat 420
aactaggttg agttttctnc tctgctgagg aaacagtacc gnagctnctt tcttgtggca 480
ttcgcattat anaaacttgg tgtgggggag ggagcccnaa a                       521

<210> 3498
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
```

3059

```
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<400> 3498
ggtnatgatc accgagaccg cggcggagcc tacggtccct gcagtgcctg ctgctgagga 60
ggccaccgaa gctcggggac gcgaggagcc ggcgtggccc tggaaagacg ccccgatccg 120
gacgctggtg cagcgcatcc accagctgca ggctgagcgc gcgcagggct tccgccgact 180
ggaggaaggc caccgccagt acctgcgcag cggccctgac tacgacttcg cgcgctaccg 240
gagcacagtg cacggggtga cccaggcctt cgccgccgcc tcgcgggagg tgctggcggt 300
ggaagcagag ctgggcgggc ctcgcaggca gccgctgctc gccggccacg tgcgcagctg 360
caggatctgg agcagacgcg gctgggcacg gtggccctgc tgcagttgat ggangacgcc 420
agagctggcg gggcaaggag gacgctgtac ggatgcagca agctgaaaat gaaggtaatt 480
taaaccatgg aagcgatcaa cgagggtctc caggacctta aggtttgatg cggaatctgc 540
cgagtgatgg cggnttccca aggattgcnc cnaggnnaga tgggaaaacg gggc      594

<210> 3499
<211> 88
<212> DNA
<213> Homo sapiens

<220>
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```
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3499
gattggattt tcggcggttg atcccagggt gnctgagtgg cggtgaccga ggcggngagc 60
ngnngcccgg cgccgaccct gagtgcag                                    88

<210> 3500
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
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3061

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3500
gnncacgcgt ncgagtttgg taagtttttaa gaaatatcat ccaacaaagg nnc   53

<210> 3501
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<400> 3501
aaagagctgc actgtgcgat agtaccgagt acctgatatg aaagcctttg ccctgctaat 60
tcganttggg nttngctctc gnacngggat ccatttgcgt gtt   103

<210> 3502
<211> 161
<212> DNA
<213> Homo sapiens

<400> 3502
gcggacgcgt ggggccctgc agagataagg cagctgggcc tgagctagac tcagtgtcct 60

3062

```
cctggggtag gacagggaca cagggtgtca tgcctcaccc tcccagcagg gctggtgctt 120
caacatctca atttgtacaa atacatcccc ccttcaaaaa a                     161
```

<210> 3503
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (623)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<400> 3503
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ggatttttct ctgtttggaa acaaaggagg cacagagcat ggatagagat aactcattgc 60
acagtgttca gtgagcagaa tatgaccatc ctagcagcag ggcttctgtg acttcctcag 120
aagataaaac atgctccagt actttacagc ctgttatctt gtcatcattg accccgtttc 180
tctcctcact gctattcttt aaccaaagga aagagctcct gagagagact tgaaagtaat 240
ggttggaagg gtggtttcag tgtaatggat acattctttt tctcagaggc caatcccagg 300
cattgtgaaa gaaatggctt ttcttatgaa gacttcaaat tttcccaact cttttcacag 360
gtgttgggga tgtcctttgc actgaccctg aactgccaga ttgacaaaac cagccagacc 420
atagggctat gatctgcagt agttctgtgg tgaagagact tgtttcatct ccggaaatgc 480
aaaaccattt atagcatgaa gccctacatg atcactgcag gatgatcctc ctccatcctt 540
tnccttttta ggtcccctgt cttatacaac cagagaagtn ggtgttggcc aggcacatnc 600
ccatcttnag ccagcaagac aantctttca cttcacttga ccggnagc             648
```

<210> 3504
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<400> 3504
gcccanncgt ccggatggtg atggtggtgg tgatcacntn nctgctgagc cactacaa   58

<210> 3505
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c


<400> 3505
gctgaccctg ggcaagccca ctgcccccccc atcccctcac cccgggtaag cccactgccc 60
ctcccgtccc ccaactgact gaccctaggc aagcccactg ccccncatc ccctcacccc 120
gggtaagccc actgccnctt ccaccgcnca ctgaccccgg gcaagccgag tattcctnat 180
ggaccncagg caaggacnct ggcacaacat ggacccca                          218


<210> 3506
<211> 165
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (98)
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3065

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<400> 3506
ngccgncacg catncttgta ccggtccggc nttcccgggt cgacccacgc gtccgcaacc 60
tcctttttcac cctcccaaca ttgctttgag gctaaganaa acantttgnn taaaccagac 120
atttgtccaa ggagtaaata ctgattcatg cttgctatac tgcnt   165

<210> 3507
<211> 97
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<400> 3507
gacctgtatc cttggccctt tttttttttt ttttttcctg gnngccttcn acattgttcc 60
ttttncctat atttccttcc ctatnagaat caaaggc                          97

<210> 3508
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
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3067

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (605)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<400> 3508
nntggnattt cgtagggnac cttcctntgt aaggaccgct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtcc ggaaaaaggg ctactgtatc tttaaaaaca 120
ggaagttgaa cccaagctgt gaaaagccag tggtgctctg tgcatggtgc tgtgcggagc 180
ctggtgctgt agtgttgtgc tgggactttc ttgactcttg ggcaggtcac atcctacagg 240
agctcagcag accagtgtaa caacagttaa tgcatctatc ctgatccctg aatttccaca 300
ttggacaatg gtgcatgcct cacacctgag cctgcttcct ccatgctgtc attgggttcg 360
ggggcctaca cttaacaatt ttaaagtgca agagtcaaac attttcaaca ngttgctata 420
attttcctcc ctaattggtg ccatttctcc atttgatcat tntctttttt tctttctccc 480
tcttcatcac tttaatatan ctgnctgaaa ntctggtgca ttcattcggn tctttgaaat 540
gagaatgtgg gcttaatttt tgggacgttg cnanaaaagt tggcctgatg ggaacacact 600
tatannacca ag   612

3068

```
<210> 3509
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c
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3069

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 3509
naaaccntnt gganaccctn actataggga aagctggtac gcctgcaggt accggtccgg 60
aattcccggg tggtgctctg tctggaggcg aacctggggc ccagctcggt ggaaccattt 120
tcagctgtgt accccagtaa gtgcttggcc tttcagatca tagtttctct catgtgcgta 180
agaaggggtg ggtcaggatg gaggcggntt ccaaacacca gtcttccatg ccaacatctg 240
cccctagac ttggcaaaaa ccagaacaat aaggacaatg ccataagttg ttcatgaaac 300
taaatgcatc cagtctaatg gattatcctt tattctgaga tgacgccttc tttntttgan 360
attnaaaagc ccttttggaa aatnaaanga t   391

<210> 3510
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature

3070

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<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 3510
ggtttatttt actgttttat aggaaacttg ggaagtaagc aggacttncc aggcctcttg 60
tcttgtgtta tggggaacca caggacccat caggcatttt tagtttcatt taccaggcag 120
tttattgatt gcaacactta gcatacatga ttcacaaagt tctcattctt gataattttc 180
tgcccaaatg tagcttcctg agaagggcan gagtgatcca tcacgtggng ggtgttcatg 240
tttctggttg gctccagccc cttcccttga atcctgtgct ttaacagctg gaatccttca 300
gtgtgtttgg gtggctcact gcttatcaaa tattcaaggc ctacaaccat tgcagccttt 360
ctcatacctc cactcttgaa gcttctgctt aggctaactn ttgtctcttc cctgccttta 420
attgaaactc tggaattctc tgggcctttg nttttaccta tttcctgttc aaagtcttgt 480
aattattggg atggaaaagt gacaaactct gatcatttnt aagaacactt gtaaaatngg 540
cangcccctt ccnna                                                   555

<210> 3511
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
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```
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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3072

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<400> 3511
ggtaatttgt actntgaact aaccataaca ctatacatgt gttaatacat tttgttgtaa 60
catttaaaaa aatgtagtta tagacttgat ccatccacca ccctcagatg cagatagaaa 120
atttttgaga aaattccagg gatccaaaga caacctaaag ctaatcttgg gattccttca 180
tatttcacag tacagaagat aagtcccatt tcaaaagata atacaggaaa tgataaaatt 240
tatgtctttg agagaatagt tatgttctta gcatcaactt tgataaaggg tagatgttcc 300
ttatgaacta atncatcttt catttgggtt ggttctttgc tnggtncaga ggtnttcata 360
ttttggttac agtgatactg gnnattaaag ngcttaataa aatggttaaa tataaattat 420
atccatgant tatataanat agatggtttt attggtatat gntatttaaa tttcaagttt 480
atgctgggta ttactacang nttattctga gatggtttca tggcccnaat tttaattgat 540
attgggatcc aatggtttna ccggantttt ataaag   576

<210> 3512
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>

3073

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<221> misc feature
<222> (65)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c


<400> 3512
cactggagcc tctgctgtgc ttctggaact gcccaactcn ctgggnaggc ccaagccacn 60
aagtnacgga aacaactgcg ttttcngccc ataatgaacc aga                     103


<210> 3513
<211> 581
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c


<400> 3513
gccggcggcg ctggagggtg gagtcgttgc tgttgctgtt tgtgagcctg tggcgcggct 60
tctgtgggcc ggaaccttaa aggtgagtaa ctctcggtgg ctaatgagaa gctacaaaag 120
ggtccgcttt gctggtgcgc gactgcgcgt ttccgttctt tactgcttct cgcggcgtcc 180
gtccgcccct cgccttcctc acgttcaggc cgagcgccgc gtgggccgca gccggaggcg 240
gcggagccga gggggcgcgg gcggcggcga ggctgccccc gcgaggaatg cgggatcctg 300
gggttccccg cacgtggctg gtgcccaggc agttccgcgg ttgcttagag acgggactgt 360
ggctgccctc atccccattg cgtctttttt tttttttttt tttacctcca ccgccttcta 420
```

3074

```
gtctcaccga aggcttgtgg ccatctctgt aaagtttctg gggaggtggg cacggggtaa 480
acgccggagg gttctgtgga gcctatggga ctgactggag gccaaagaac tttgggccgc 540
anatgtacac cancgtcact tttttngnct gttanggcct t             581
```

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<210> 3514
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<400> 3514
ggtcttcttt aggtagcaga ggtgcagaaa ggagtataga tgacataggt cacctcattc 60
atgaangcct acagaatctc ctgtccctnc agccacanag caacntgatt gtactaaaat 120
tctagaacnt ccatatagta tacatgcttt ncagcactag anaggcgtac aggtaagaga 180
taattagact g             191

<210> 3515
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3075

```
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3515
ggaaaaacac aagntgtatc agactcactg attttcatca gngtnnaccn caagtgggtc 60
ttcctg                                                            66

<210> 3516
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 3516
aagacttcan atgannatcn tgnactatcc ttaaagctgg tacgcctgca ggtaccggtc 60
cggaattccc gggtcgaccc acgcgtccgc ccacgcgtcc gctgttctaa cagacatata 120
aaggaagtgc tatggatgga agcacagagg aagaagaggt taatagtgtc taagaaccta 180
gaagggatga agatgaaaat tgagatttga aaggtgagaa agncattaag acaaggatga 240
cttaaaggta ttccaaactc ctaagaaata cagggagttt tggtggatgc agaatgattg 300
ncgaaggctg tcaaagtttc nattaacnga aatctcttan tggtaan   347

<210> 3517

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<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 3517
ggngatntat nagctagaga ggtnttccgt actacaggga aagctggtac gcctgcaggt 60
```

3078

```
accggtccgg aattcccggg tcgacccacg cgtccgacgc catccagcca ggacatctgc 120
aggtaacact ctgcttcaga tgctgccatg atcagtgtgc agccagaaat aagcattagt 180
gtctgtaggt tcttgaattt ccatttgctt aatcaatctg cctttggtct aaacagttgg 240
cgagttttat gtgtggtttg ctcaccaagt tacccatgct agtctcattt cttcactatg 300
atgtctattc tcttttaaaa ttgcttttac tttctgtgct tttatcccac tgttctgcat 360
gcagttccag tgcanngtnt tctgatgntg naccaca                            397
```

<210> 3518
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

3079

```
<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c


<400> 3518
ccaagtttnt gggtnaaatt accgccacgt tcaactttat taaggggggg gaaaaaaggc 60
nttgggggtt aaacggnccc ttggccanag ggttaacccc gggggttccc cggggnaaaa 120
tttttccccc cggggggggtt ccggaaaacc cccaaacggc cgttnnccgg nttggggggc 180
cttaacntta accggaaatg ggggccggaa atggaaaagt tttttncgga           230


<210> 3519
<211> 164
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c
```

3080

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 3519
gcccangcnt ncgtacaatt ccnagcattc ctgtggtgcc agaactacct tgcccgaaag 60
cctgtgcgag atttaccccg tnttncgcct ncctccnacc ggaaaactct gaggacatga 120
atagtcgcca ggcttggngg ctcttgctct cccaaggcag agga   164

<210> 3520
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3520
canttcccag dacgccccat tgntctccct ccgctttcct gcccggagga agccacaccg 60
tgtctttnca gggggccagg aaacagntgt gggccagagg aatggagggg ctgtgggatg 120
aacacgatga cagccganat tcgactctgn ccana                                    155

<210> 3521
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
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3082

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<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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```
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
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3084

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c


<400> 3521
gcccacgcgt ccgggttgtt ttccttnaat ctcncnctac cttcctcaga acctgntaca 60
aggaaagatt tatagactcg aaagcgtnaa tgactgatna gacccatatg attgctcctg 120
ntgtntctga tattttaaaa aatngantta taaagagata aaaataaata atnaatggaa 180
aaacttntgg catgggagag acatttaggg aaagaagtca tttcagcctn ccnnaacaca 240
cacatgcaca cacacataca gnctatatca cacaatggag gtgaggaccn antcaatcta 300
ggctcatgac tggctccatg ggacanatgg gtgggacaag tcatcctgct gcantcaggt 360
agcagagann accnaggaga ctangatgac agagacaaaa taactngaga aaagatacag 420
gagctanggg gagagggtng aggtttgacn aagctctctc ttcccantaa gggagagttg 480
```

3085

```
gaagccacag atgtaggtac agcccnttgt tttccagatg atgaaacagg ngcngtgatg 540
ttaagagccc ccagtagtgg tncatgtacc nag                                573
```

<210> 3522
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3522
```
gctatttcta gaatcgcgag cggccgccct ttngggttng ntttttnggg gngaa        55
```

<210> 3523
<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

3086

```
<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 3523
gccaaataat aactccagat ttcataattc cagtttttac attccgttat ctttctggta 60
caaccattcc cattcagcct taaatctgag tccttttag cagcaacttt tttcctggga 120
tcctccttcg tggtcttcta agtcagtgtt agttttgaaa tttttggccc tgcataagtt 180
ctgcatagca tctaatgtca aaatagaacc aactggtaat cacagtatta tttagtgtgg 240
tttccatgac aacaaaaata catacgaaga aaacttctca ggttactatg ctgaaattcc 300
aaaatgtctg agttttgaat agtgatcact ttgttctggt attgacgcaa ttatattagg 360
aaaaaagttg gttgactgtt tttgtttaat tgacttctaa aatgttcaaa ttgtctantt 420
ctaaaagttt actaaatgcc tagtgcagtt aaacatactc ttgnttaaag ngtgtgttgc 480
taaaattttt tactgncatt acttaaataa tctgngtggc aaaaatgtgt ggtcaagcan 540
tnttcccctc cttttttat cctcctattt tcaggnagtc aaa                  583

<210> 3524
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3524
gcttaatgat ggattgagtt atctgggtgg tntntagcca ntcatgggca nngta          55

<210> 3525
<211> 91
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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3088

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<222> (85)
<223> n equals a,t,g, or c

<400> 3525
ggaaaacccc ccattttcgg gctaaaatna ccccacttca cnttaatcag tgtggtaaaa 60
agncctgggg ctcaccggca ctngnccagg g                                91

<210> 3526
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c
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3089

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<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c


<400> 3526
ggngctgggt ctctnngtcc cgcanccgtg aggaggacgg tctgcatact cnctgcccgc 60
cggctccctc ccccgcgtcc ctgcnaccgn cgnggntaag atggcctaag gagtgcaagt 120
atctgatgaa gtatgtt                                                 137


<210> 3527
<211> 105
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c


<400> 3527
aaacgtaaat aagtggcgag aaaaaggact tnggggataaa ccggacacat ggncgaangg 60
gataaccccg gggggnacnc gggggaaaat gtgacgcacg ggggg              105


<210> 3528
<211> 50
<212> DNA
<213> Homo sapiens


<220>
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<221> misc feature
<222> (28)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c


<400> 3528
gttgccatag catgtgtggt aggtgttnct gnattttgtt tgtngaaaat          50


<210> 3529
<211> 534
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c
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3092

```
<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
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3093

```
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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3094

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<222> (529)
<223> n equals a,t,g, or c

<400> 3529
gatcncntgc attcantacn gtnttaaata nnnacnnnan ttgngangac tataactcgn 60
gtgtctactg gacctcggga accaaccaat ctanaccttg tcagccngat agccaaccct 120
aggcgaanat agccccacct aggggggccc cacctctcgc tgntggngct cgcgtgtccg 180
taactctttg caccccttta actgtggtaa ggnagaaggt ccctcctggg agaccctgng 240
cgnacgcgaa ncaccgtgcc tcagttctcc aatgtaacaa ttggactcgt ccttgtcgat 300
caagtcggtt cttggnatta gccctaggc tgtccaantt cgcgcacaag cangaggaac 360
tagcaanngg aggctaggat tgggtagggg tatgagggtg cgttgttnaa cctgtctctt 420
nggcacccct ctnctctcct tcttggccac cccttangca attttgggca attggtcccc 480
ttngacctcg tgttatgcca attctntcca atttaaccat ncttggaant tggc        534

<210> 3530
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 3530
ggtggcngca gtctggggtc gncgncatcn actgctcntg ggccaggcat ggacaa     56

<210> 3531
<211> 464
<212> DNA
<213> Homo sapiens
```

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<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 3531
ggctggcata gtggtgcaca gtttactgta acagctcagc ccacctccag cagacagtgc   60
catccaggaa accaggcgct gccaggaatt ccagccctgg ccccaccttc ccttcagcag  120
tccgtgttgt ctgggtagtc tgtggccagt gtagccctgt tgcagagtga ggtctccgct  180
gaaaggagaa ctggcgtggt cgttgtttga aaagaatcag gccccagcaa ggttcactgg  240
aagctaacac tggacgcagc agagtctggg tctgacagga ggtcagcgtc accattttga  300
gggtgatgga catgttttct gcactctagc actgtgtgga agcgctggct gacagcagcc  360
tggctgtccg aattccaaag aaatgggctc cttctaaata ttcaggtgct gctgcatact  420
cgggagcaca cgctttcctt gcccttgcan gtggggggtgt cctt                  464


<210> 3532
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c


<400> 3532
ggggaaataa tagggaaaat acctatttta tatgatgggg gaaaaaaagt aatctttaaa   60
ctggctggcc cagagtttac attctaattt gcattgtgtc agaaacatga aatgcttcca  120
agcatgacaa cttttaaaga aaaatatgat actctcagat tttaaggggg aaaactgttc  180
tctttaaaat atttgtcttt aaacagcaac tacagaagtg gaagtgcttg atatgtaagt  240
acttccactt gtgtatattt taatgaatat tgatgttaac aagaggggaa aacaaaacac  300
aggttttttc aatttatgct gctcatccaa agttgccaca gatgatactt ccaagtgata  360
attttatttta taaactaggt aaaatttggt gtggtccttt tagaccacng atgcccntnc  420
anaccccatc ttgctctaat gatcaaaaca tgcttgaata act                    463
```

```
<210> 3533
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 3533
ggggcagggc tgagagcttg gcagagactg gaccatggcg tccccgcccc agggctcgct 60
cgtgtccaaa gccaactcca agctgtgaac actgtaagcg ctcgagtcct cctgggcagt 120
gcagcaccgc ggccccgcc cgcaagcctg cttggcgcag cgccttgctg gcagccggcg 180
cctcctagcc cgccctctct gggctggctt gggcttctcg cttactctac tctcctccgc 240
tctcggtcaa ggtcggcggc cttggatgct cgttcgcttc tcttttttaaa atgtcttttt 300
gtccctcccc acctctttcc tgtgatcatt tattcactcg gtccccgccc gccaacacac 360
acatttatga accccacctt ttttttttcct tctccttttc cttcccctcc tcagggagcc 420
tcctcnttca gtcagtccat ttgtcccttg atctggcctt tgttgtcctt aagtccccac 480
ggnttnntnt tcacaagatg aataaaattt                                  510

<210> 3534
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c
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```
<400> 3534
gcatatctga gctgtgtatc attttgtact ccatagaggg gctattgtga agccacagcc 60
aaaatgttga tacaaaagat acgttctaat acttattcat tcattgacta tatgagaata 120
gctcagggcc tggtaaaact ctggcaaaca agagatattg aatgaagtag gggatggcta 180
atgatatttg ggaggttgag accagaatca gtatttggac aataatggag taatactgca 240
ggttgtcttc ctccagtctg tccctaaaag aagagcaatt tagaaaatgg caatacccag 300
caatgtgttt aaaatgctga gcaagtcgta aaaagaaata tcttgtccac gttatgctga 360
ctatcagagg tctcctggtg ttgcactgtt actgggagca ctgctaccat ctttaaaaat 420
gtaaatccct gctatttgct atcccctgg ggctcctgtg tnaaaa            466
```

```
<210> 3535
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c
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```
<400> 3535
ggaagattta aggaagaaaa cttttcgatt tcctttgaaa aatagaacac aaaactggct 60
tgtaaatgtt tttagaatga tgaataagtc attaattaat tcagtgacgt atgttttcta 120
ggatccctct ggctgttgtg ctgagaacag aaggggtcaa gggagtgggg gagtaaaaat 180
ggaagcaggg tgacgcatgc aggagtccag acaaaagacg ggtgattttg ctcaggttgg 240
tagcaacaga ggtaatgaga agtagttgga ttttggatat attttgaagg aaggacctat 300
aagatttgct gatggcttan aagttaggta tgagttaagt caaaaatgat accacagttt 360
ttggcctgaa caactggaag gacagaatta ccattaactg atatggggaa gaccgtggaa 420
agaacagttt tttggcattn ngataaataa tacacn            456
```

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<210> 3536
<211> 447
<212> DNA
<213> Homo sapiens

<220>
```

3098

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<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 3536
gggcctccat aggagtgaca tttgctggtg tcagaagctt ggcaagaggg gaggatgatc 60
agaccctgca tggacagttc gaattggagc tctctgcaga gtccaggaag agagctctgg 120
atgggaggga agccatgggg tggaaaagat agcttccaat ggaaggcagt gaaaactcgc 180
cataagtgaa ggagaagaag gaggccaagg agaggggca ggaatggcag ccggcagcca 240
ggcggtcagt ggagcaggtg ctcaggaggc ccacaggaga gcttcgtgga aggagtggac 300
agtgtctgag gcaaggggca aaaggcatct gctggagctg gtgaccccag cttggtgccc 360
cccaaagcca gagtacgagg ctganaggat gcaggtgtcc tcctaggagg tttgagtcat 420
aangcacgag gcagaagcan tgggggga 447

<210> 3537
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
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3100

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 3537
ggacctgata agggaagatg aagaataaga aatgcctttg ggacatncag atatgaaggt 60
ggaagaagtg gttggtgctc aaggaagggg tctgagctag aggtagcaat gaggtgtgaa 120
atatntatgg atggaagttt aagttacggg catngtgctg ttacttacag agagagacca 180
nagtgatgag gatgnttaag attgancntc tgaggatcnt tnacattgaa aanncanngt 240
ataanatgat aagncagaaa aaggggcaag antgtaatca gagaggtaga gaataancta 300
gttaagtata tanagnatgc aaaggacagg gagcatttct ggaaatggng atcagggtta 360
aaggctgaca gatggnaa 378

<210> 3538
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

3101

```
<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c


<400> 3538
ggaaaaagaa aagatggact agtgttcaga tgctttcctt gattcagaat cagcatgcct 60
cttaaatact gaatatacta agatacacaa aacagtaatt tagctttttc atattgatac 120
atgaacttag tatttgatct cagcaaattt agtaaaataa tcaggagctt ttgatttgcc 180
acaaaaaatc attcctctaa actttatgaa ttgagaaaac ttgtctttat ttgatgattc 240
cagttttgat gttttgtgtt attggtgaag ttcagaaact cagaaacata gttgattcca 300
tagaaaattc aattcttgaa gagtagaact ttgaaggtgc aggatgaata tgtgtgttat 360
gaatatgggt catactttat gcttatgtaa ctgaacatgt antttttactg gggcttccct 420
ttcttcattg caaaaataca acttatcctc antacntaat ttattgacta ctacacnta  479


<210> 3539
<211> 142
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c


<220>
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3102

```
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3539
ccgactactn tagggaaagc tggtacgcct gcaggtaccg gtccggaatt cccnggtcga 60
cccattcgtn cggtaaaaaa ccgttaggtc ctggnattna tnaaatcacc tttgttagaa 120
aatgctgcgc cttttaatgt tg                                         142

<210> 3540
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 3540
ggcacgagct cgtgccgggg ccatagctgt tactgaagga agtagcctac gtccacgcct 60
```

3103

```
acaactgaag tctcttgaca aacacctcac ccctgcctcc gggatgaaag ggggtaacct 120
agacctgaat gggcttgacc atctcacaac tgctcgcgtg acgaccgcat tcgtggcagg 180
taagaagatt gctgtatcaa ctcaagaaag cagtaacttc actgtctttg tattttgaat 240
tgcaacaaca actgtgntat caacaatgaa gcaatgatat ctaagaacaa aagagtattt 300
gccaacagtc atcataanat caagtgnttg nataaggcag aacaagctgt cacagaccng 360
tgcgtcanta atatatgggg at                                          382
```

<210> 3541
<211> 460
<212> DNA
<213> Homo sapiens

<400> 3541
```
ggaactagcc cggttgatga gcatgttgat attaacggcc tggcttggcc aaagcttccg 60
gcccagcacg ctttagcatc agctggttat tctgagaaca ttcttttcaa aacactctac 120
aggacaaaca ggccgagagg ttcctttgtc cacagctggc ctctgaaact gagcagactc 180
tcaaagggtt gagaagaacc ccgaggaggc tatcgtctgc actcagaggc tgaaacgttt 240
gaaaacaggt gcgggagggg gcggggagga tggtcagtga cagcacattc ttcagcaaac 300
atgtgtcatt tgtgctttta ccagagcgga gttttaattc ctaaaatata acagcctggt 360
gcaggggctg gaagaagagg gcgcgtttta tgtgcaactc tgctaagggc ttggttgctg 420
aatgaaaggt ttggttccat ggaggttcag gtacctttcg                      460
```

<210> 3542
<211> 125
<212> DNA
<213> Homo sapiens

<400> 3542
```
aaatgaaaac accatagttc tgctcagata acccaaattc actaatgttt tactgttcga 60
tataaaataa aaatgaaact atgtcatgct gataatgttt accaagttat acttgaaata 120
agtgt                                                            125
```

<210> 3543
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 3543
```
ccacaaccat atgatgagag atacagggtt taaacatgga caactcctgt taaaacctttt 60
atcaatgtgt tcatcaactc agtaaccaca gagttctgtc aacagctaaa aagagtttag 120
aaaaagagga agagctttgt ttgtttactc ctttgctgtg tacatccaaa atacaatggt 180
gggagaagat ttgttctagt ttttcccaaa gatactcctt agggaatgca ctcaaaagaa 240
caaaataggt tttctatgac tccacagaaa tagaatctgt agtattattt ttgcttaaat 300
gtgattaggt gtgaacattg ctttgttatt tgtttcctga ttccagattt ggaatanata 360
gcccttgata caggatttgg agaagatttt ggtattaatc aatcatagac ttcaggagat 420
gatttcaata ggtccttttc tggaatttca tttcagtata gaaactgtat gggcagaatt 480
```

3104

```
tttattatta ttattattat                                              500


<210> 3544
<211> 358
<212> DNA
<213> Homo sapiens


<400> 3544
cttaccaagt ttaaacacaa aatttatcat aacaaaaata ctactaatat aactactgtt 60
tccatgtccc atgatcccct ctcttcctcc ccaccctgaa aaaaatgagt tcctattttt 120
tctgggagag gggggggattg attagaaaaa aatgtagtgt gttccattta aaattttggc 180
atatggcatt ttctaactta ggaagccaca atgttcttgg cccatcatga cattgggtag 240
cattaactgt aagttttgtg cttccaaatc actttttggt ttttaagaat ttcttgatac 300
tcttatagcc tgccttcaat tttgatcctt tattctttct atttgtcagg tgcacaag   358


<210> 3545
<211> 371
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c


<400> 3545
gtttggcgtg acatacctgg aggactattc ggcagagtac atcattcagc aaggtggctg 60
gggcactgtg tttagtcttg agtcagagga ggaggaatac cctggaatca ctgcagaaga 120
tagcaatgac atttacatcc tgcccagcga caactctgga caagtcagtc ccccagagtc 180
tccaactgtg accacttcct ggcagtctga gagcttacct gtgtcactgt cggctagcca 240
gagttggcac acagaaagcc tgccagtgtc actaggccct gagtcctggc agcagattgc 300
aatggatcct gaagaagtga aaagcttaga cagcaacgga gctggagaga agagtgagan 360
caactnctct a                                                     371


<210> 3546
<211> 367
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
```

3105

```
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<400> 3546
ctccnncccc cccacctngn gtacccacaa gggcacatcc ttgtcacctt tgcccccagc 60
cccccagact ttcagccaca gcttctttct caactgaaga cctggggaag gggtgctgtc 120
tgtgttcttt cttccacttc tgccctctcc tagccttgag ggtagatggt gtggttcttc 180
agtattggat agtgcctgct ctgcggacaa aggagaagtt taaattgtcc gtagagaagg 240
gcatatgatt ggggcctttg ggaaatggta ccaggtgaga aggggggagca tggaggaaag 300
atgtaatggg tactccttct tttcaaagnc ttatccttta aaggaaaggc ggtctctgga 360
gaaactg                                                          367

<210> 3547
<211> 452
<212> DNA
<213> Homo sapiens

<400> 3547
caccttcaaa ctgtcacttc acgcaagact ttaaaactgg ataataatat tgcctcatta 60
tgttaacttt tacggatgtg aaaagaatga tccctaaaag tataatcata attgttatct 120
aataactatt ttaattcagt gtgaacatat gcatattctt atattacaat ttctaaaata 180
ggaggcttga gagatgctat agtccattct ttgaatgttc tgatgaagcc caaaaagagt 240
tagtaaactg cttaacataa catggggact ttgtgtcaga gcattcagat gaggcttaag 300
atatacttgc cctgcatctt tctaatatag agtgatagat gacttttaaa aatgtataaa 360
gcatctaaag gctgcacctg gagtgatact gaagtaatga tttaacttac ataaaagctt 420
ctttttttctt atttaaacta ggaaaacctc tg                              452

<210> 3548
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c
```

```
<400> 3548
ggcagagata ggatacattt gnattctttt ctattttaat aggaactatc atttcccagc  60
atttttaagg atacaatctc ctaattaaat ttaaatgata taatatccta attaaacagt  120
tattataaaa agtatagtgt gctccctaac ttttgacatt tcaaattttt aaaagaaatt  180
taaaacatca ccactagcct gcactaggag cagcctgtaa taacagtttt taaaagcttt  240
ctgaactatt tgacaagatt tcttagtgct gaggccatat gctgtagcct ttaagctatt  300
tcttcctatc agtttcatta tcacctgcct ctgagtctcc aatatcatca gtaagcacat  360
gcagaatcat aattatgcca tgtacaagtt ctttgataac atgtacagtt ttcttcttaa  420
ttctttatca aatgcattga tcgtgg                                       446


<210> 3549
<211> 531
<212> DNA
<213> Homo sapiens


<400> 3549
ctctgagctg ctgccacctg ctgggctgga gctggagctg gagctgcgaa ttcggagtcc  60
cggttccctg tgccacctgg cgagctcagc aaactaaaag tctctttgtc ttcatcgttt  120
ccggcactga tgtgagcaca tcataagcac aagacctgga cacctttaca atcagagggc  180
ctaggactgg agctctggat ctgaccggag caaagaggaa gcacgcaaat ccggacatga  240
cgacgaggag gcagtagaga cccatcctca actgttcttg tcctagagcc tctttcccta  300
cttctaaatg agtggaaagc cacccacaag cccgtgagtg aggatgccct tggtaaaccc  360
aggtgatcac accctgggca ggccctgccc cacagggccc catcccgctg ctccccagcc  420
tgtcctcacc aactgcccag gcaggagcaa agcccacggg gaggacctgt gaccacaggc  480
aaggaccacg gaccccagcc ccagggattt tgacctcaag aaaggaaaca t            531


<210> 3550
<211> 531
<212> DNA
<213> Homo sapiens


<400> 3550
ggctaagcca ggactgcttt tctggagtga taatgtgctt gcctgtgtct aagagaaagt  60
accctggctg ataaatggga cttggatttt aaataccatt ggataataaa tgtatgtgat  120
ggctttggag caaattgatt gacaatggct aggagacagc ttcccaaggc tggaaagagg  180
ggagtgcgga acatgcctcc accataccac tgcccacctc ctgtgacctc tgcagcaaaa  240
cctgaagccc caaagaggca gcttctcaaa gtaaagtgg aatgaagttc ctggtgacct  300
gaattcccat ggaggaaaga ggaaaaggac attatgcaag gagatggcat ctcgtgtccc  360
tggtgaacca attccattag gaagacggtg cagtgtgagg tggacctgga cctggataaa  420
atgggtgttt aacaagtatt tgttgagtag gtggtggagg aggcacgact agatgcaggg  480
tctagctgag ttgacaagag ctaacaccag gtgtggacca ggacaggggg a            531


<210> 3551
<211> 471
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (13)
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3107

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 3551
gactcatctc atnaagggaa caaagatgng ctccaccngg tgnggccgct ctagnaacta 60
gtgggtcccc cgggctgcag naattcggca gngcgncctg ggctccagct ttggctctgg 120
cgcgggctcc agctccttca gccgcaccag ctcctccagg gccgtggttg tgaagaagat 180

3108

```
cgagacacgt gatgggaagc tggtgtctga gtcctctgac gtcctgccca agtgaacagc 240
tgcggcagcc cctcccagcc tacccctcct gcgnctgccc cagagcctgg gaaggaggcc 300
gctatgcagg gtagcactgg gaacaggaga cccacctgag gctcagccct agccctcagc 360
ccacctgggg agtttactac ctggggaccc cccttgccca tgcctccagc tacaaaacaa 420
ttcaattgct tttttttttt ggtccaaaat aaaacctcag ntagctctgc c            471
```

<210> 3552
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (685)
<223> n equals a,t,g, or c

3109

<220>
<221> misc feature
<222> (717)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (741)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (755)
<223> n equals a,t,g, or c

<400> 3552
gctggtattg acgcaattat attaggaaaa aagttggttg actgtttttg tttaattgac 60
ttctaaaatg ttcaaattgt ctagttctaa aagtttacta aatgcctagt gcagttaaac 120
atactcttgt ttaagtgtgt gttgctaaat tttttactgt cattactaaa taatctgtgt 180
ggcaaaatgt gtgtcagcac ttttccctcc tttnttatct cctattttca ggagtcaaat 240
gtagccataa actgtatcct tgtctgacac tttagctaaa aatttccagt taggggagtt 300
tattgccaaa ttaaatttgg ctgttccccc caacccatat agatattaag gaaggtgtac 360
ttaaaaaatg tttggactgc ttttaaaacc tgagcaatgt cattaatcca tatgtggact 420
antgatgaat anatattttc ataagagttt aaatgctgat atttggtgga agtanagagt 480
aactcatatt ctatcaattc aagtattctt actatggttg ctttccctat ttgttcaata 540
nactgataat actggaattt atanagtttg agccattaca acttttgtga ggatgtgttt 600
caaacatttc tggacanatc ttattttgta tttctggaaa aatgttataa tcttctaaaa 660
ccgcttaaaa accaatgctc ccaanctgaa tattcttgaa aaaatttgtt tttattnatn 720
ccatttgaca tttccaatca ntgctccata tacant 756

<210> 3553
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>

3110

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<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
```

```
<222> (349)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c


<400> 3553
cccacgcgtc cgcccacgcg tccgtgaaaa tcaagatcaa gcgagctttt gcccttctgc 60
tccacgggag gtttctgtcc tccctgagct cgccttagga cacctgcgtt accgtttgac 120
aggtgtaccg ccccagtcaa actccccacc tggcactgtc cccggagcgg gtngngcncg 180
gnnggngcgc ggccgggcgc ttggcgccag aagcgagagc ccctcggggc tcgncccccc 240
gcntcancgg gtcagtgaaa aaacgatcag agtagtggta tttcaccggc ggcccgcaag 300
gancgngaaa cccgggnccg gggccccttc gcggggaaaa cgggggggng ccngggg    357


<210> 3554
<211> 59
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c


<400> 3554
gaatcccggc tccgancccc ggactcgcgc ccgcncgcac gcccgcacct tnncccctcc  59


<210> 3555
<211> 156
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
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3112

<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3555
gagcttgnag ggaacgaact tgntagaata cttggnaaaa gagaaactaa ngaaagaagc 60
tgccaaaang cttgagcagt caaaagaggc agatatagat tccantgatg anagtgatat 120
tgaggaagat attgaccanc catcagctca taanac   156

<210> 3556
<211> 482
<212> DNA

3113

<213> Homo sapiens

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<400> 3556
gaagatattt atctatgaag atataaatgg tgcagagaga ctttcatctg tggattgcgt 60
tgtttcttag ggttcctagc actgatgcct gcacaagcat gtgatatgtg aaataaaatg 120
gattcttcta tagctaaatg agttccctct ggggagagtt ctggtactgc aatcacaatg 180
ccagatggtg tttatgggct atttgtgtaa gtaagtggta agatgctatg aagtaagtgt 240
gtttgttttc atcttatgga aactcttgat gcatgtgctt ttgtatggaa taaatttttgg 300
tgcaatatga tgtcattcaa ctttgcattg aattgaattt tggttgtatt tatatgtatt 360
atacctgtca cgcttctagt tgcttcaacc attttataac cattttttgta catattttac 420
ttgaaaatat tttaaatgga aatttaaata aacatttgat agtttacata aaaaaaannn 480
nn   482

<210> 3557
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)

3114

```
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c


<400> 3557
tncaagatgn cggagcagga gtnggtggct cagttgtaca tgaccctgaa ggncnaggag 60


<210> 3558
<211> 573
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c


<220>
```

3115

```
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c


<400> 3558
cccacgcgtc cgtaaatgag aagtaaaatt ttctaagtta ataaagatga agaatgggtg 60
actattatga tgaaccataa ctaaatgtct tattaaagca actgagtgtc tagccctaaa 120
ttaaccaggt aaaaactgtt aacactaacc tgaagttttg tgaataactg ttctttaact 180
tattgagatg ttgcaagaaa tgcacatcca gggtggactg ggagctatga aatgactaaa 240
ttcctccttg cagtgtttac cttcaagatt gtataggtaa tctctcctct tcttcccca 300
gtccccatta cttattgcac actgttttaa ctgactccgt tttgatatta atcaccagga 360
ccataaactc atcaanagga atttctggag tatactcacg actgtcnttg atttangttc 420
ctaaattttt ttaggatagg gtanggttgt gcctgggcag aaattccttt ttgggcctaa 480
atttttaact ntccntttcc ccagcttggc ctggagtcct cccccttaanc cggggttttc 540
cccccttaanc acccaatgga tgggaanccc ngg                                573


<210> 3559
<211> 435
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c
```

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 3559
ggagnaattg gtcaaaagtg gcttttttgtt tccccaaggg gaaagactgg ctttgtaatt 60
ataattttttt cctttatttat tttacttaaa actggtagag tctaagtatt atatgaagtg 120
cccatgattc tgtcagtaaa tttgaacata tttttattag ttaatgtcag tttaagttgn 180
cctttttgttt gnttctattt ttaaggtgaa ttttaatttc tatctgaaat cagttaagat 240
accttgagaa aaactgcagt gagaggagat aaatatcctt tttcaggagg aactgatatc 300
tctggctaaa tatttgcctt ttattatggn ttctaaatca gctattntct tcagctttaa 360
tttcntaaaa ttaannaact attttaaaaa ttcctgtaga tggtggaaat aantaaaaat 420
tcctggcgca gtggg 435

<210> 3560
<211> 409
<212> DNA
<213> Homo sapiens

<220>

3117

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<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 3560
gattctttt  ccctttcgtn  actttgctca  tgtactgtat  tccttcaact  tcattaatga 60
atccatttgg  aagcagtgaa  aaaggcaact  cagaaagcta  agaagaaata  gatagaggaa 120
tactcagagc  tatctgagta  ttttctttag  tttgttagct  ctttggagct  ttgaaactgg 180
aaagacccag  ggagtgatgt  ggagaaagag  actgagcttg  taagacacag  gagcagtgag 240
ctaagggaga  tggagnagtg  gggacaaatt  ctggcacatt  ctgtctacac  tctgggtaga 300
tagaggaggg  aggatggagc  acccatggag  ggggtatgtt  ggtgacagca  ttttcccacc 360
agccagnngt  aacaagnggc  tgatttgggg  gaaangatgg  catacacna                409

<210> 3561
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
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3118

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<400> 3561
gaagaaagct acatgaatta attgtactct atgggaaaat ttntttggaa agatattttg 60
naaaantttt ttttccaagt anaaacttta tgaaacttgn t   101

<210> 3562
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

3119

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 3562
gagataaggt tcaaaagtgt tataagaaga tattcctttt tttgtcctag agaacttatt 60
ttcctgtgaa aatgcctacc acaaagaaga cattgatgtt cttatcaagc tttttcacca 120
gccttgggtc cttcattgta atttgctcta ttcttgggac acaagcatgg atcaccagta 180
caattgctgt tagagactct gcttcaaatg ggagcatttt catcacttac ggactttttc 240
gtggggagag tagtgaagaa ttgagtcacg gacttgcaga accaaanaaa aagttttgca 300
gttttttagaa aatactgaat aattctttnc caaaaaaaac ctntgncatt tcgggggggan 360
tattcctggt tccctggngc ctgaagtttg aat   393

<210> 3563
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<400> 3563
gaaaagaact ttcgagactt agaaaagtag ccttcgtatg ccagatacta gcatattatt 60
agcaatctag aaaattcagt tgtatggcct ggctcattct ctgatactgg ataaaatgat 120
tcataatcat taattcaatt ttnattagtt atgttccaaa atgncactga gtattttaaa 180
caaaagtagt aggtaagata actgactata aggaatgagt acagtaattt tccttttttct 240
aggncaccaa caatggctgg aggtttgttt gccatgaaca gacagtattt ccatggaact 300
tggacagtat gatagtggca tggatatctg ggg   333

<210> 3564
<211> 158
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3564
cacagangca catcagtccc gangcttcct gtgaggtnna cgctccgcag cccagcccag 60
ccgggagacc acgtggccat tggcggtntc ctgaccttgg gccagtgaan ctgccagcct 120
tccangagca nggcggccgg agagctgccc ctgnagta               158
```

3121

```
<210> 3565
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3565
tcgacccacg cgtccgccca cgcgtccggt gnttagtatc cccgncctgt gggcngccnc 60
agtntcccct cctaag                                                    76

<210> 3566
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<222> (63)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (319)
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3123

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 3566
ctatntggaa agctggccgc ctgcaggtac cggtccggaa ttcccgggtt gacccacgcn 60
ttnggttttt ttcttcagta acaanagaaa cccnagttgg gagtttaaca aataactgac 120
taccactcac tcatgcattt ntatttccaa ttaaagcaaa gcactgtgct gtgctcagat 180
aataatagtt ngtaagnaaa agtttttagt tttcagtgnt caggttatag aatataactg 240
accataaaaa ttacctgcag gtattnactt tttatgaact agnttttaaa ttaccaagna 300
attactggtg tcattttgnt ttatgacaga nacacgtatc taacaaacaa acaaacagtg 360
ancttctcca tgggtcaagg acttccntac aatntctcct gagtnaactt ttgtgaaaat 420
aatacctaag gnt                                                     433

<210> 3567
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c
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3124

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 3567
gggggggtcca gtctgtgatc cttggtgctg tgtgccccac tccagcctgg ggaccccact 60
tcagaaggta ggggccgtgt cccgcggtgc tgactgaggc ctgcttcccc ctcccccctcc 120
tgctgtgctg gaattccaca gggaccaggg ccaccgcagg gactgtctca gaagacttga 180
ttttttccgtc ccttttttctc cacactccac tgacaaacgt ccccagcggt ttccacttgt 240
ggggcttcaa gtgtttttcaa gcacaaccca ccacaacaag caagtgcatt tcagtcgttg 300
tgcttttttg tttgtgctaa agtcttacta atttaaanat gtgtcggcac cagttaatta 360
atttccatgg tcagtcagct tgctgtcttc gtgcgagtgc angctnncct gttgggtcca 420
gcagcagggc atcatgtann tggcgacagt gaac   454

<210> 3568
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

3125

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<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 3568
gcttggccga gatcggcgcc gtgactctgg tcagcgcccc gcgtccagac tctcggcacc 60
acagcctggc cctgacatcc ttcaagcgcc agcaagagga gagcttccag gagcagagcg 120
ccttggcagc tgaggcccgg gagacccgtc gtcaggagct cctggagaag attacggagg 180
gccaggctgc taagaagcag aaactagaac aggcttcagg ggccagctca agccaggagg 240
ccggctcgag ccaggctgcc aaagaggatg agaccagtga tggccaggct tcgggagagc 300
aggaggaagc tggcccctcg tcttcccaag caggaccctc aaatggggta gcccccttgc 360
cagatctgct ctncttgtcc anctggccac tgcaggcctc gaccggtcaa ggncaggccc 420
ctggactggc ntgtccagtc taaagactgg cccacccggn cgcct              465


<210> 3569
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
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<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 3569
ggggagacnc gcgggtctgg ctgcgagaga ccatgggggc tcagctaagc ggcngncgtg 60
nctgcccn   68

<210> 3570
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)

3127

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 3570
taatggngaa tggnaaattg taagcgttaa tattttgtta aaattcgcgt taaatttttg 60
ttaaatcagc tcattttta accaataggc cgaaatcggc aaaatccctt ataaatcaaa 120
agaatagacc gagatagggt tgagtgttgt tccagtttgg aacaagtagt ccactattaa 180
agaacgtgga ctccaacgta caaagggcga naaaccgtct atcagggcga tngcccacta 240
cgtgaaccat caccctaatc aagttttttg gggtcgaggt gccgttaaag cactaaatcg 300
gaaccccaaa ggnagccccc gattttagag cctgacgggg gaaanncggc gaacttggcg 360
agaaaagcan gggaagaaac cnaaaga   387

<210> 3571
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

3128

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<400> 3571
ggcacgagct actcagagga aggggcggtt ggtncggnct ccattgttcg tgttttaagg 60
cgccatgagg ggtgacanag gccgtggtcg tggtnggcgc tttngttnca gagnaggncc 120
agaggagggt tcaagccctt tgttaccaca tatnccattg gacttctatt tgtgtgaaan 180
angccttttc ccgggtcaaa gncagcaact gtggaaactt tctncaatga gg   232

<210> 3572
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

3129

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 3572
tttgcaagtt acttgaaaag gtttgtgatt ttccaacgcc ctgagtaatt ctagccaaaa 60
tgcgtgactc gcctcacact agatgcttgc tgtaattgtg tctctgtatt aaactgaccg 120
ttctttggag cttcggaatg gaccaggagg aaaaggtaaa taccaacctc gntacaacct 180
cagaggnatc aacgncctcc tgctacagac gcatctgttc tcgcctggnt cctgccggct 240
gccctgggag aggccacaaa atgccctcca cggngacaag gnctgagaac cttcgggacg 300
gccgctgccg   310

<210> 3573
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<400> 3573
aggactaagt nctcattgtn caaatagagc tgttcaacat cactaaaaca tttaagaaaa 60
gccctganat cagtnattcc tacaagttta ngtagtagac agntactatc cagctctaag 120
tctcaactgc tctttaatac tgtacttttn tt                                   152

<210> 3574
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<400> 3574
tagaacgnna ctccgtgcag agtaccggtc cggaattccc gggtcgaccc acgcgtccga 60
gcatntctan ttgtctcaac ccttnaagca atatgtatta taaactcnga gaacagangt 120
gcaatgtgta tgggaggaac a                                           141

<210> 3575
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c
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3132

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<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<400> 3575
ttggaanacc gcctannaag dacgcctgca ggtaccggtc cggaattccc gggcccaaca 60
gatngcgcag cctgaatggc gaatgggacn gctccctgta acaggcgcat taagccgcng 120
cggngtgtgg cgn                                                    133

<210> 3576
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
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3133

```
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c


<400> 3576
gcgtctccac ttgtggaaag ccacaggaag agaaggnaan accagcgcat gcccagtggg 60
aacgccgtgc tccatggncg tggagggcac gggtgccacc cacaaaccac accangaggc 120
gctgcagcca ccagggcccc aggctcgttt tcctttatag ncgaagcaaa aaacacaaga 180
ccctccgccc gagtaaattc ttcagccacg aagggatgga tgtgcatctg ccctaagtca 240
gattgaancc tcctcctagg ctccaggagg agcatgtgca ggaagggttg gcctgaccca 300
aaaccggcac cccagctcct tcctccagct ccccgcaccc accggccctg acctggcttc 360
ccctcggctg tgtagggaca aagccgaagc ccagtgccat gactgcccgc ggattgaaaa 420
acagaaacac aaaactttga ctttgacttg cgaaattgaa ncaaggtttt catttttact 480
ctcccttggt ttnagttctc agaaaagaaa gaatcctgac cttganaang aaggcccant 540
tgaa                                                             544

<210> 3577
<211> 412
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c


<400> 3577
gcattatcct gttcagagct tggagatgta caagggacat aggagcaatt tacactgaca 60
cacagctgct gtaccagtga aaacgaggct ttgcaagctt gtacctacta tataacatgt 120
gcttggttga tggccatgca ttttcagtca gaatttatat ataaatatat gcacccattt 180
ttttgagtgc atataattta gacctaaaaa tccttatgat taggtgaaac accaaaaata 240
taaggaaaat aacacaacan aggaatagct tagcctgaac agngngatgg ncccagctac 300
tacatcagat gcggtttttt tgctccctta tgttcttcgg atatggntat ggcattngna 360
ggcttggagg taaagaactg aanataactg gngctggata gaggagcctt at       412


<210> 3578
<211> 89
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<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 3578
gcacgggccg gaggtcccgg ggctgctggg cgcgggcngt gggctgcgcg nngaccgntg 60
gactgggncc cgggcacgcc ccgccaagc                                   89

<210> 3579
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<400> 3579
gcccacgcgt ccgcggtacg cgtgggcaag cacctaagtt ttcggggtga cagtccctcc 60
ccctcatcct ttgcagaggt aacccagggc tggagtcggg agaangctga tgacatanat 120
tccaatccct gcctccttcc atctcggacc gttggangca gggcctgcac cccagtggga 180
agcaaaggaa gccaccgctc aaagacaccc ccccacccaa aaaaagggg aaaaaaaana 240
nactcggtna tngacaaacc ggtttttant                                  270

<210> 3580
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c


<400> 3580
aatcacactg tncaaacctt cttctctcct gttaacaatg ggcaancccc caactatata 60
aatattcaca gagnagaaca aantgtgtgt gttnggggggg ccccacaaac cngttctccc 120
cac                                                              123


<210> 3581
<211> 97
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c


<400> 3581
gcggacgcgt gggcggacgc gtgggcggac gcgtgggcag gaagatggaa tgcaccaact 60
ctcngtctct gtgggtacat gccaggcctg tccattt                          97


<210> 3582
<211> 345
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
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3139

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<221> misc feature
<222> (182)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 3582
gcttcttaaa attaacgcac tnccacttaa ttagngggaa aaaagcttgg gttaccgcct 60
ngcnagggtt accggggtcc ggggnaaatt tcccccgggg gtccgaaccc cnacngncgg 120
ttccngaact naagtttctt aagaatccgc ggaaagcggg gccngcntcc ttaagaaagg 180
gnatccccaa aggcctttna ccgtttaccg nccgtttggc aattgcggaa cggttccatn 240
aagcttcttt ccttattaag ttggntcacc ntnaaaaatt tcaaatttcc actggggccg 300
gtccgttttt aacaaaccgt tccgtgaact tgggggggaaa aaacc                345


<210> 3583
<211> 167
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<400> 3583
accctnctnc cactttaatt ttttanaaga aaaaaagctt tggggggttaa ccgcccttg 60
ggngacccgt ttaacccngg ggtttcccgg gggaaaattt cccccgggg ggtttccgaa 120
ccccnacngn cggtttcccg gcggggaacg gncggtttgg ggggctt            167

<210> 3584
<211> 343
<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 3584
gactaattat aaatagctgt agttagtgag acatatgcat atttctgtgt acttgttttt 60
ataaaatgta tttgattaaa ttgactttta cctgctatat gatattattc tctttctttta 120
tggttatcag ggaaagaacc acaaagaaac gggttcttaa ggancaagtt aggatgttct 180
ttggtcactt gaaaccaaaa ctgaatgtct ttcaacccaa ctgaatgttc ttcatgaaat 240
actggaatta aatgaaggga actgcttatt ctaattctta tatcagtttt aaaaccatat 300
tatttttnna nccngaaaac cggaaggatn agttccctcc cga   343

<210> 3585
<211> 65
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)

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<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c


<400> 3585
ggggtttcgn tngcgaggac tcttcgggga ngtggcctnc gcttgtatac actgcgaccc 60
ccgag                                                             65


<210> 3586
<211> 159
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<400> 3586
ttgagatggg nggtctaatc tcnatttact aatanggaaa nctggtaccc ctgcaggtac 60
cggtccggaa ttcccgggtc gacccacgcg tccggggaan gtnagctggg attanancgt 120
catgantggg aaaacccaaa gactggcccc catcttctt                         159

<210> 3587
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
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3144

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<221> misc feature
<222> (379)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c


<400> 3587
gcacattatc tatacaaaga gccatactca gtgaaagata aattacctcc taaactaaag 60
tcccctctga ggtacaacag aaattaaaat aattgnttct cttctcaact ctatgtaggc 120
acgtattttc catnatggga taaatgtttt catttcaagt gccaatgtgt gaactgtaat 180
aaacattact gctttcattt tttgtaggta tggaggttac attaactgtt atagttgcgg 240
agctgaattt taatgtcagg taattntgtt tagtccaaac tggttttgaa ctataaacaa 300
ttatggatat gtatttttg gtttctttga ccccaaaggg aaatgggggt ttangtcaaa 360
ttgatntttt atcaaaatnn atctgtttct caaagcaaaa tctctgtntg attgaagatn 420
attcattatt tacatatagg gtaaacagac tttactgcct attgagatca taantgagat 480
ntggat                                                            486


<210> 3588
<211> 84
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c


<220>
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```
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c


<400> 3588
ggaaaggaag ggcgtgtcgn gggtgtgagc gtgtcgttga ctgggaaaac ccaggntctt 60
ctcctnnttt tggtcgcgnt gctt                                        84


<210> 3589
<211> 177
<212> DNA
<213> Homo sapiens


<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c


<220>
<221> misc feature
<222> (87)
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<400> 3589
ccattaggaa gaanactggt acgcgtgcag gtaccggtcc ggaattcncg ggtcgaccca 60
cgcttccgca nagaagaagg tcagnanaag gtggttcttt ccttaaangg caactcctgc 120
ccaagcccca tatcccttaa actcaataaa gtgtcccttt cattnactgg gagcagn     177

<210> 3590
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c
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```
<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3590
gnntgggga aaggaaagng atacgcctgg cnggnaccgg tccggaattc ccgggncgac 60
ccacgcgncc gcgnacgcgt gggcggacgc gtgnggcaa                       99

<210> 3591
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 3591
gcggacgcgt gggtacgaat ggtnnagcgc caggtncccc acgaacgtgc g         51

<210> 3592
<211> 99
<212> DNA
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3148

<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3592
gggggggggt ngggtntgac tnngntattc aaatcngagc ccnataagga nttntggtac 60
gcctgcaggt accggtccgg aattcccggg tcgacccac   99

3149

```
<210> 3593
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
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3150

<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 3593
gcccacgcgt ccgcggacgc gtggggtgct ccacctgccc aaagcagcct gcaagtccag 60
ggcacaggct gcctttggn anggagggct ggcccatang tgctgctggc tccnnggggg 120
naggctgggc ctcaggggg ggggattcc tnctgagcac cgngggcac ccagggaaca 180
agggcgntca gggaatcctg ctnccggcac ccctgtgccg ctggcatgan ggccgtgttc 240
ccactgtgaa ggatgaaaga ngcaaggccc tcaangaacc gtnttctcag aa   292

<210> 3594
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

3151

<400> 3594
gggggggggg gnggggtntg attacggcct ctctaatacg antcactata gggaaagctg 60
gtacgcctgc aggtaccggt ccggtaattc ccgggtcgac ccacgcgtcc   110

<210> 3595
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3595
ggacccacgc gtccgcgtca cgcgtnggcg gacgcgtnng tctaaaaaaa aaaaaaaang 60
ggn   63

<210> 3596
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)

3152

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 3596
angcantaat ggtatgcatc gggnccttna cctaaaggga aggnaagacc ggtcccgcca 60
agtcangtta ccgtgttccg gcaatgtcca cgggntcnc                        99

<210> 3597
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c
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3153

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 3597
gcaatancct ggacgagctc atcctcaatg ctggcaccct cnaggtcatt gnccanncgc 60
ctcactctgg acatgtccac aggnccctcc tgggaccgca cggtccca   108

<210> 3598
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature

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<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3598
cntcatgaga aggancatgg tacgcctgca ngtaccggtc cggaattcac gggtcgtgac 60
tgggaaaacc cagaccatat ncgtcncgga aatctagctt gantg                  105

<210> 3599
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<400> 3599
ggctnggatt ataccgtcct gactgggaan acccanttgc atnttatgct atgcggttct 60
tac                                                                 63

<210> 3600
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c
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3155

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<400> 3600
ggctaactct cgcctcactg cggcctcccc aatccaaanc tcctgccttt cgggcanttc 60
ggcaagtcca actcctgcct gccaatggcc tctttaaggc caaactcatt tcctcacgtc 120
ngncattcca agccccgttt ttcccttccg gnagacctct tggnctctaa tttgtttatc 180
tttttggtgt ataaatccca aaatattgaa ttttgggaat anttccanca ttatgtntcg 240
aaanacaaaa gag   253

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<210> 3601
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3601
atcatagagg ancatggtag cctgcatgta ccggtccgga attcacgggt cgtgactggg 60
aaaacccaaa ccataantct gtcncgatng ncggctttac ta                  102

<210> 3602
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
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3157

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<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 3602
gtccctgaaa agttccacca tattttgggg agtactcaac accaacatcg catgggcggn 60
ggnaaaatna nctttgccat cactggccat tanaggtgtg ggccaaacca tatgctcatg 120
gtgtgtgttg caggaanagc agacattgta cctcaccagg gagggcggga gaaactcagt 180
ngaggatgag gtggaacgtg tgatcaccat tntggcagaa tccncgacca n          231

<210> 3603
<211> 601
<212> DNA
<213> Homo sapiens

<220>
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